ZYsecurity Co., Ltd

# VMS User Manual

Customer Service Center

Customer Service Center
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# 1 Overviews

## 1.1 Description

VMS is a newly developed client software for our products . The suppressible toolbar, succinct GUI and rich functionality make it a very intelligent and user-friendly monitoring management software which can be used in various scenes.

VMS support talk with device, instantaneous screenshots

VMS support multiple video preview at the same time.

VMS support intelligent tour plans to displace manual operations.

You can easily search video files that not only recorded in PC (Local side) but also recorded in devices.

Different alarm features meet customer's every need.

The further extensions---"My cloud" and "Maps" will make it more convenient for practical application.

## 1.2 Installation environment

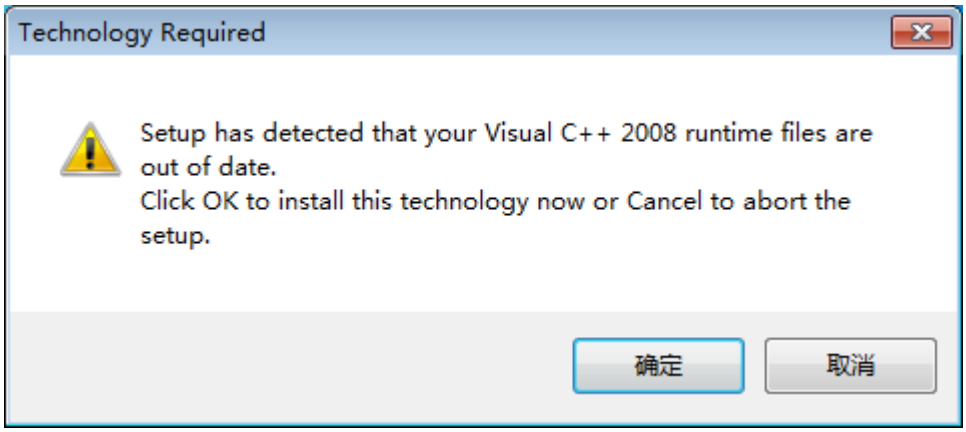
| | |
|---|---|
| Operating system: | Windows system( it would support Mac and Linux system in subsequent version) |
| CPU: | Above 2.4GHz |
| Memory: | Above 1GB |
| Graphics: | Discrete graphics |

- In theory the preview number is 64 * 4. The actual preview number is limited by the properties of the server, the resolution of devices (bit rate) ,network bandwidth etc.

# 2 Installation

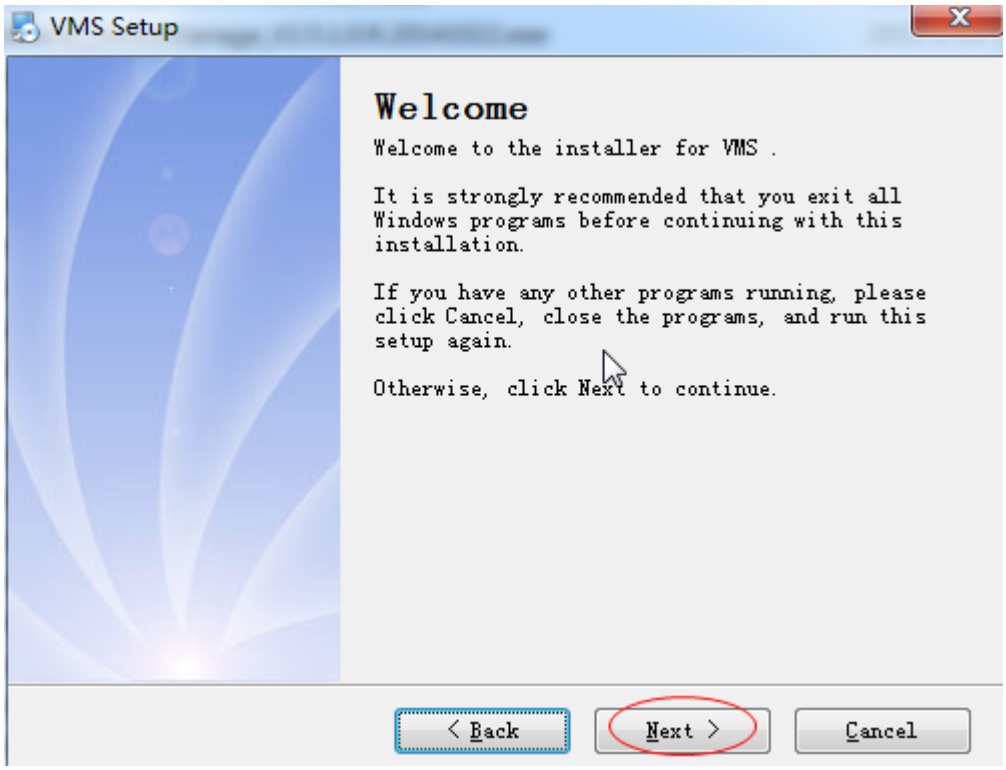
## 2.1 Preparation

When installing the VMS, it would prompt you to install Visual C++ 2008 first. This is to ensure your PC has installed all library files the VMS needs. So if you see the following pop-up notification, please click yes to install it.


Technology Required
Setup has detected that your Visual C++ 2008 runtime files are out of date.
Click OK to install this technology now or Cancel to abort the setup.
确定
取消

## 2.2 Installation

After installing Visual C++ 2008, choose language and startinstalling the software.

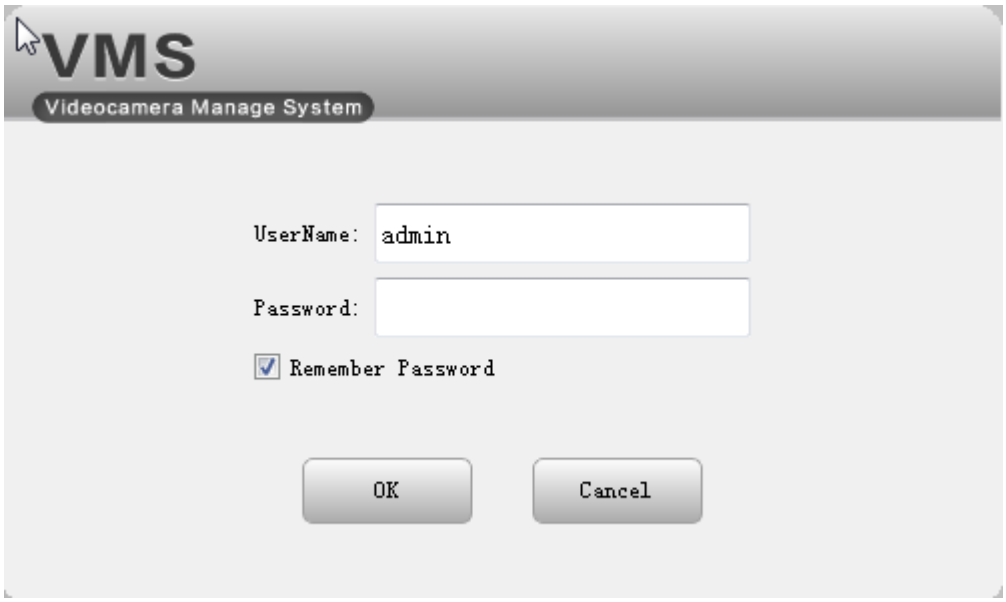

VMS Setup
Welcome
Welcome to the installer for VMS .
It is strongly recommended that you exit all Windows programs before continuing with this installation.
If you have any other programs running, please click Cancel, close the programs, and run this setup again.
Otherwise, click Next to continue.
< Back
Next >
Cancel

Double click the shortcut icon on the desktop:

# 3 Functional Specification

## 3.1 Log-in page

Start VMS：

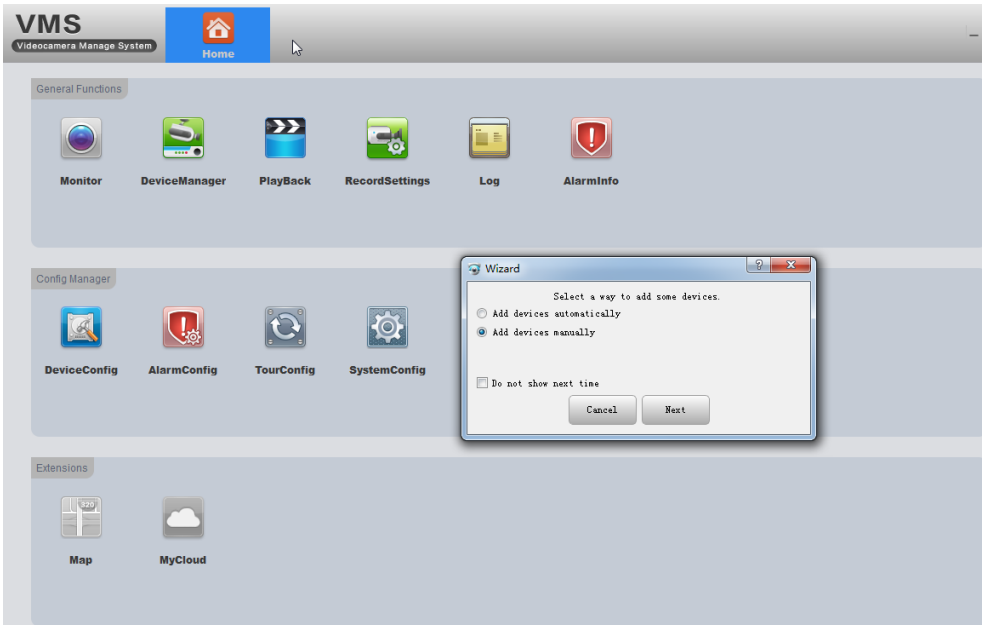



Input user name and password, click OK.

## 3.2 Wizard

There is a configuration wizard when you open the software for the first time. It is to select a way to add devices:

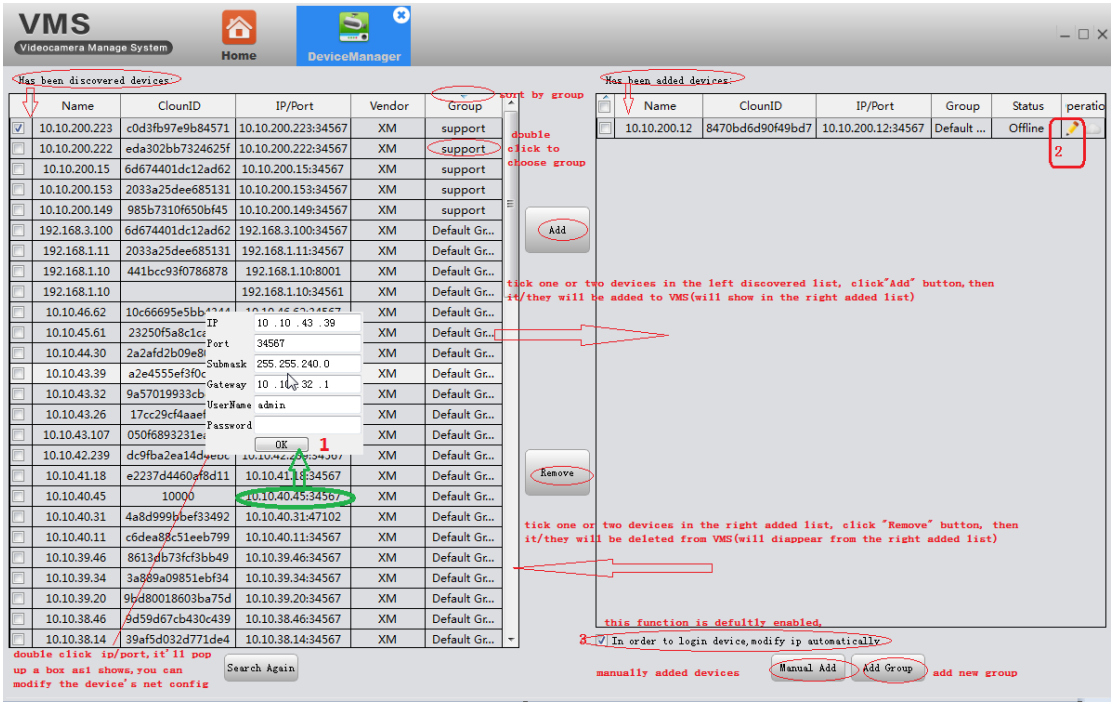
| | |
|---|---|
| Add devices automatically: | auto add devices (in the same LAN) to VMS. |
| Add devices manually: | when you choose this way, you need to go to 'Device Manager' to add devices manually. |
| Do not show next time: | Tick it, this wizard won't show again |
| Next: | Click it, it will go to the 'Device Manager' page. |
| Cancel: | To exit the wizard |

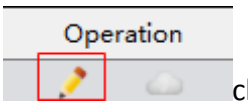



## 3.3 Device Manager

- If you choose “add devices automatically” in wizard , it will come to this page and countdown to auto add devices.
- If you choose “Add devices manually” in wizard, you can either choose the discovered devices to add directly (as shown in the following picture) or you can click “Manual add” to add manually(See 3.3.3).

### 3.3.1 Search IP in LAN and Add



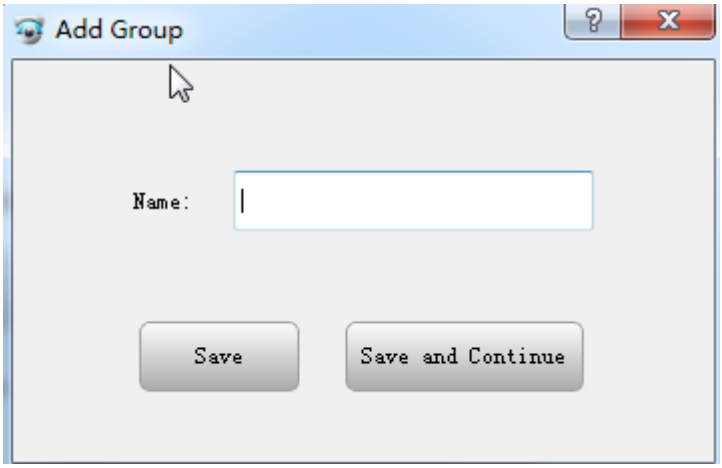
- Sometimes you may find that the device is in the left discovered list but you can't add it to VMS. This means that your device is physically connected in the LAN but its IP is not in the same network segment with your PC. You can either use the function 3----modify IP automatically(it will auto change your device's IP to the same segment with your PC), or you can manually modify the device's IP by double click IP/port in the left list(as shown in the above picture).
- If you want to add the discovered devices by Cloud ID, 

click this icon, choose login type: by IP/Domain or by Cloud ID.

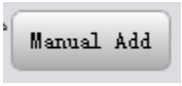
### 3.3.2 Add Group

If you have many devices , you'd better divide them into different groups .

click this button to add new group. The interface is as follows:




### 3.3.3 Add devices manually

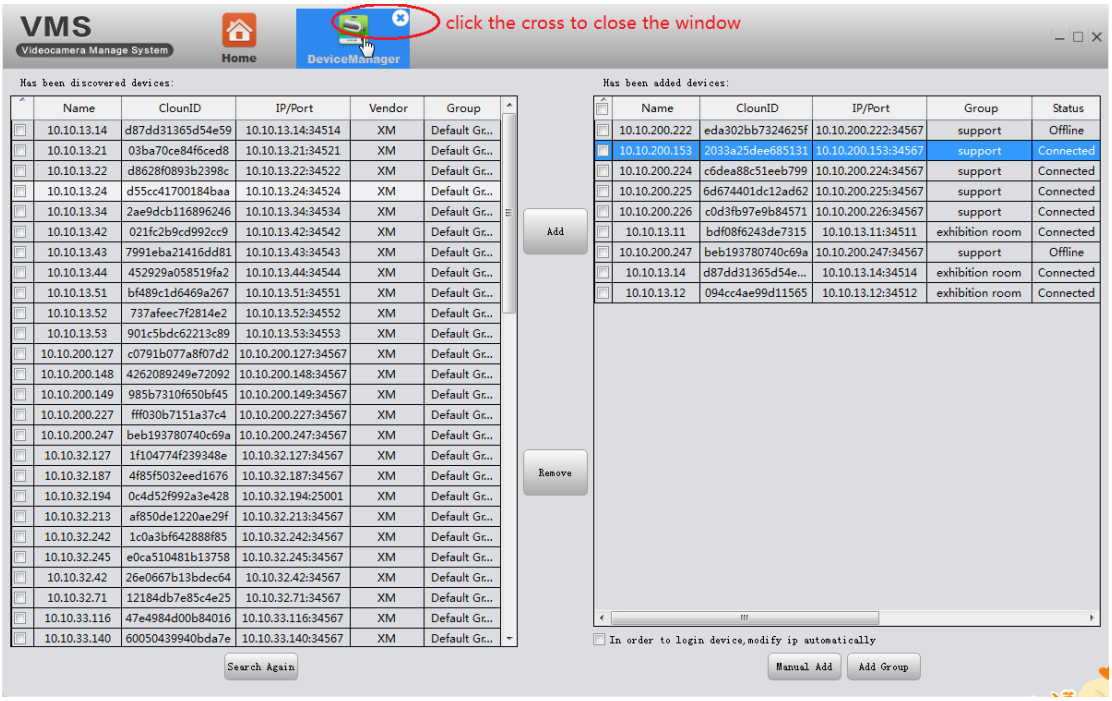


click this button to add device manually. The interface is as follows:

| | | |
|---|---|---|
| Device name: | | Edit a name for the device to identify different devices easily. |
| Group: | | select a group for this device |
| Log-in Type: | | Choose a way to add device,by IP/Domain or by Cloud ID |
| By IP/Domain | IP/Domain | Device's IP/Domain |
| | Port | Device's TCP port |
| By Cloud ID | Cloud ID(SN) | Device's Cloud ID(Serial Number) |
| User name, Password | | Device's Username and password |

- If you need to add more than one devices , please Click 'Save and Continue', then you can add continuously.
- If you only need to add one device, please click 'OK'.
- If you don't want to add, please click 'Cancel'.

### 3.3.4 Close window



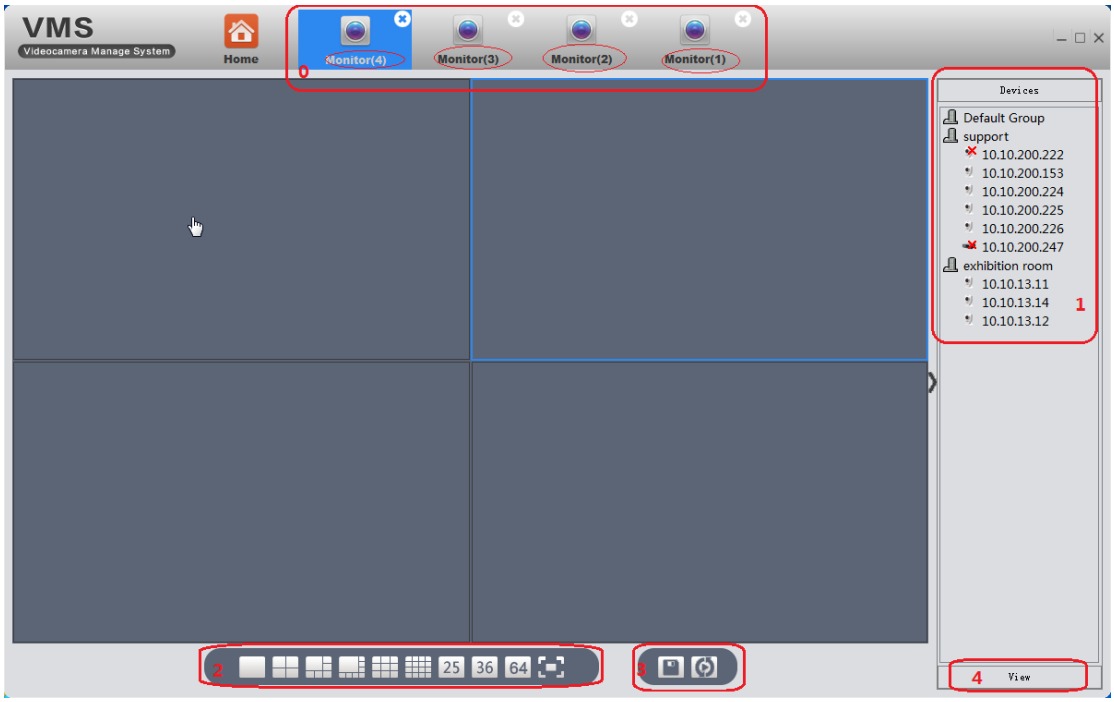

Click the cross to close the window(as shown in the above pic).

## 3.4 Monitoring

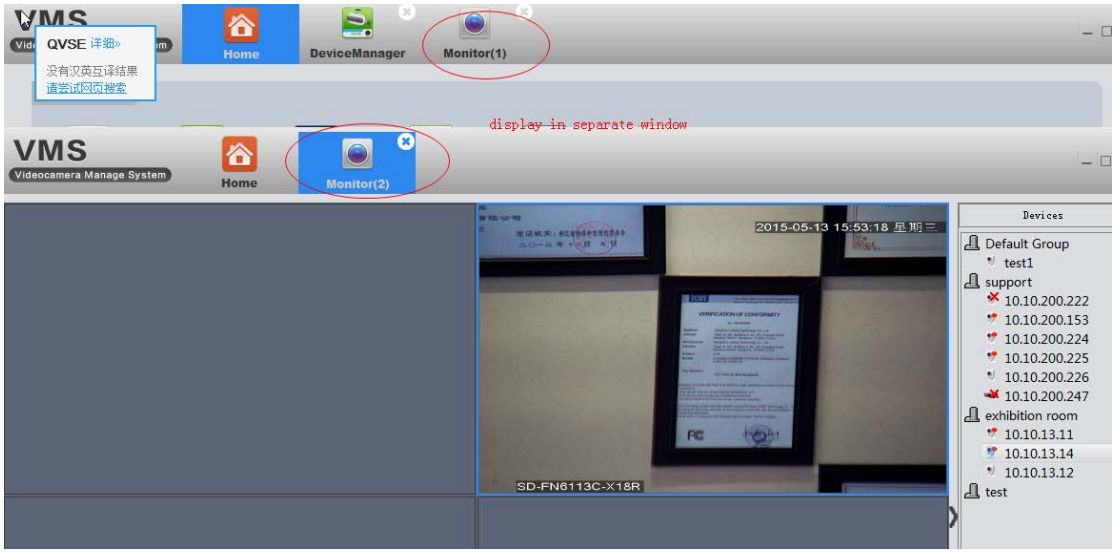
| | |
|---|---|
| 1 | Devices list. You will find all the devices you added, arranged in groups. Display devices' name and device status, the red cross means the device is not online |

| | |
|---|---|
| 2 | Support 1/4/6/8/9/16/25/36/64 split. Support Maximize window |
| 3 | save view tour(see 3.11) |
| 4 | View(see 3.4.1) |

✧ There will be description when you put mouse on the icon



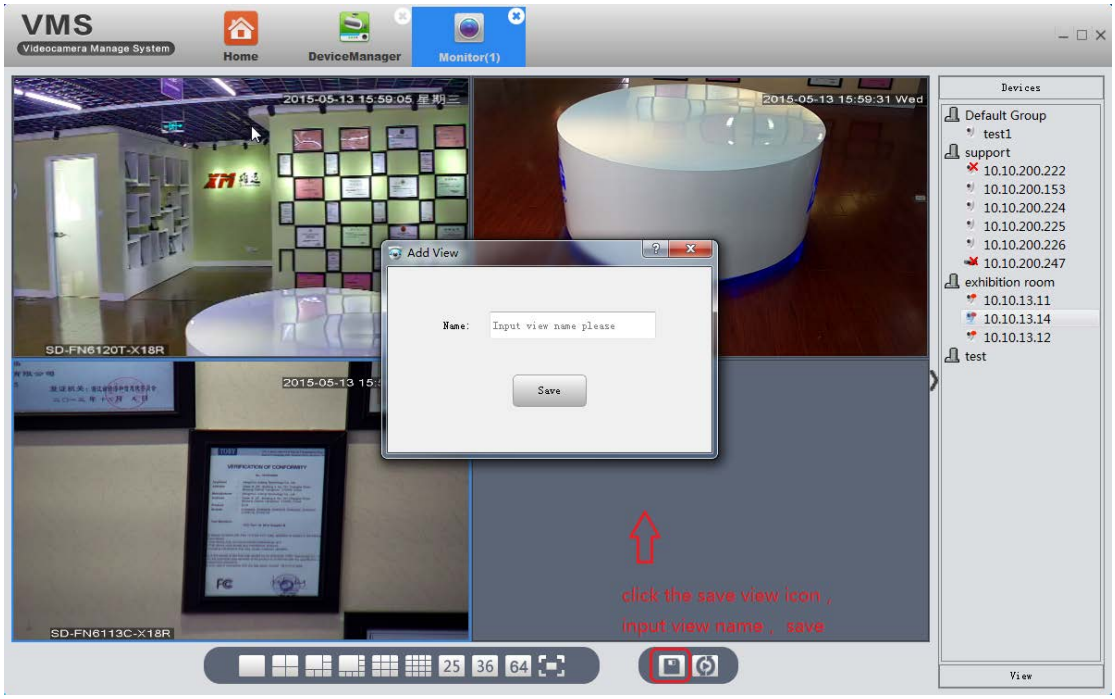

❖ VMS support up to 4 windows at same time(0). Click and drag, each can be dragged out into a separate window. This is very convenient for multiple screen monitoring. Each window can see 64 channels at most, 64*4=256. So, in theory, you can see 256 at most. As said in overviews, the actual preview number is limited by the properties of the server, the resolution of devices (bit rate) ,network bandwidth etc.



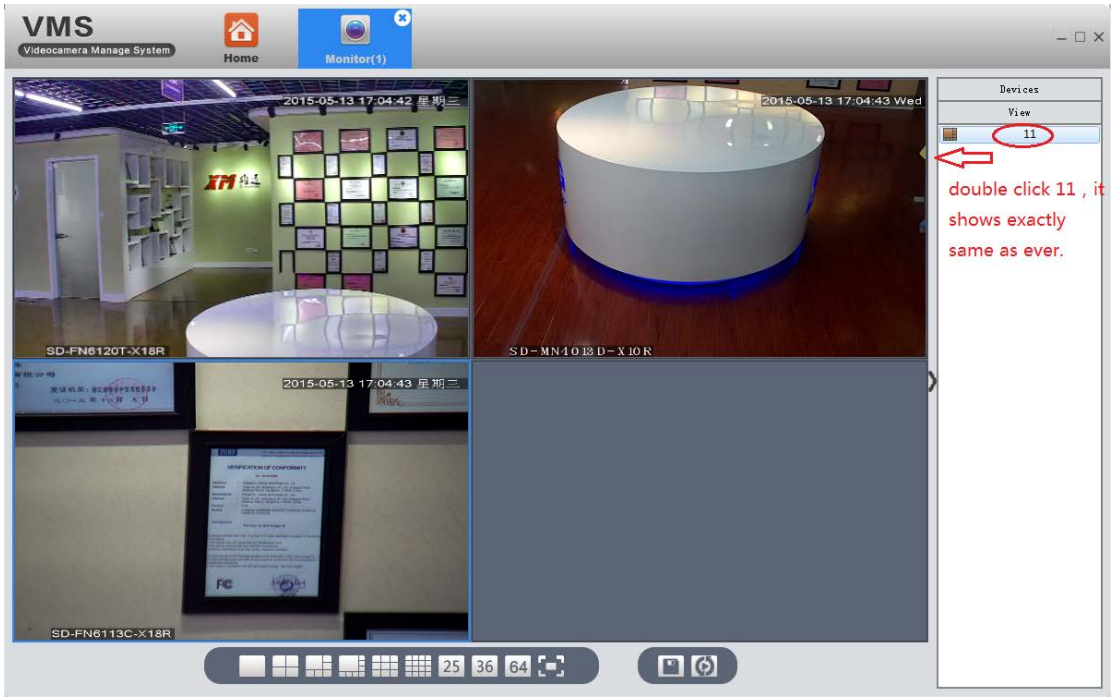
### 3.4.1 View

Double click the device name in the right list, or right click to choose main/extra stream to connect real-time video. If you wanna the VMS remember the view, please click 'save view' icon , save the current view. For example:

Firstly ,I connect the devices as the following pic shows, then I save that view as 11.

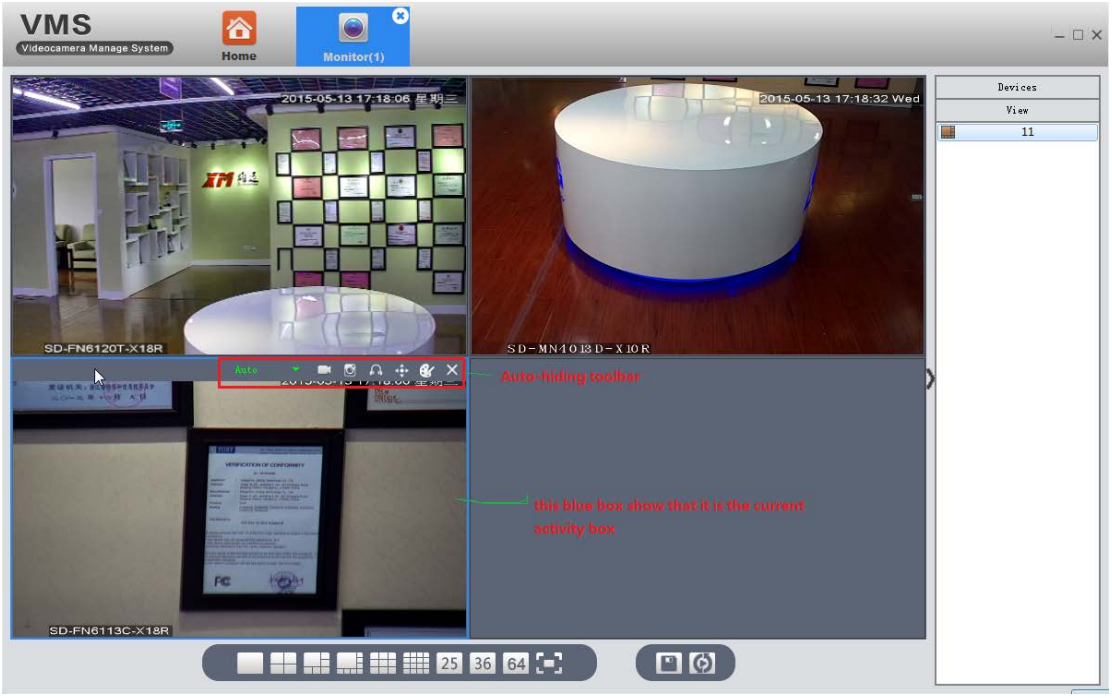


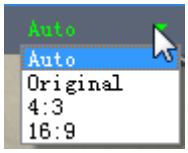
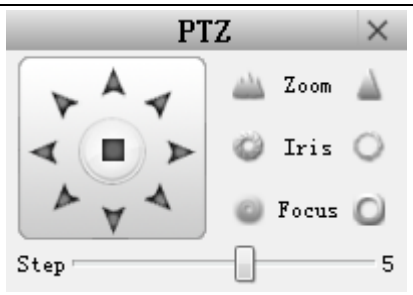

next time, I don't have to connect one by one again, just need to double click the saved view 11 .And it will show exactly same as ever.



### 3.4.2 other features

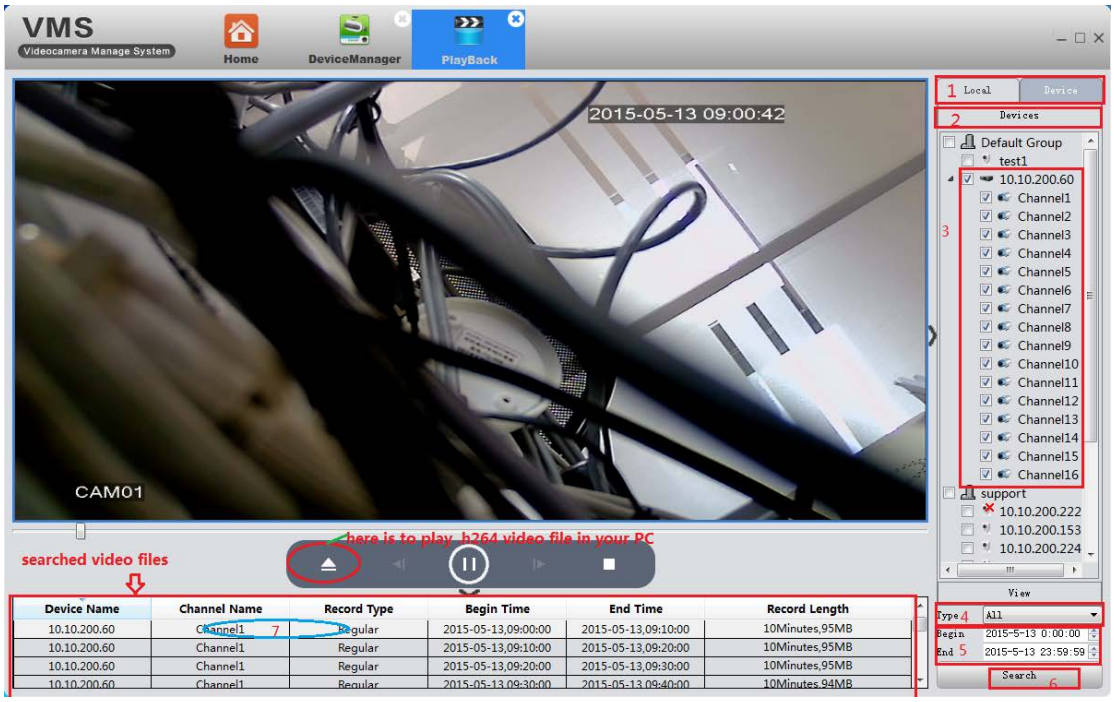
Put mouse on the top of current activity box, the auto-hiding toolbar will appear.




| | |
|---|---|
|  | Choose display scale, auto resize turned on by default. |
| | Temporary manual record |
| | Instantaneous screenshots |
| | Click to enable audio |
| |  |
| | Adjust the color of video on VMS, Not of the device. |
| | Disconnect the video |

## 3.5 Playback

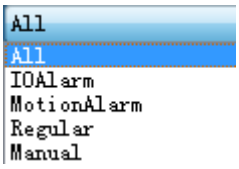
Click Playback icon in main interface.




Step 1: Choose local(PC) or devices according to where the video is stored.

Step 2: It shows the selection result in step 1.

Step 3: Choose query objects, from a group ,a device to a specific channel of a DVR.

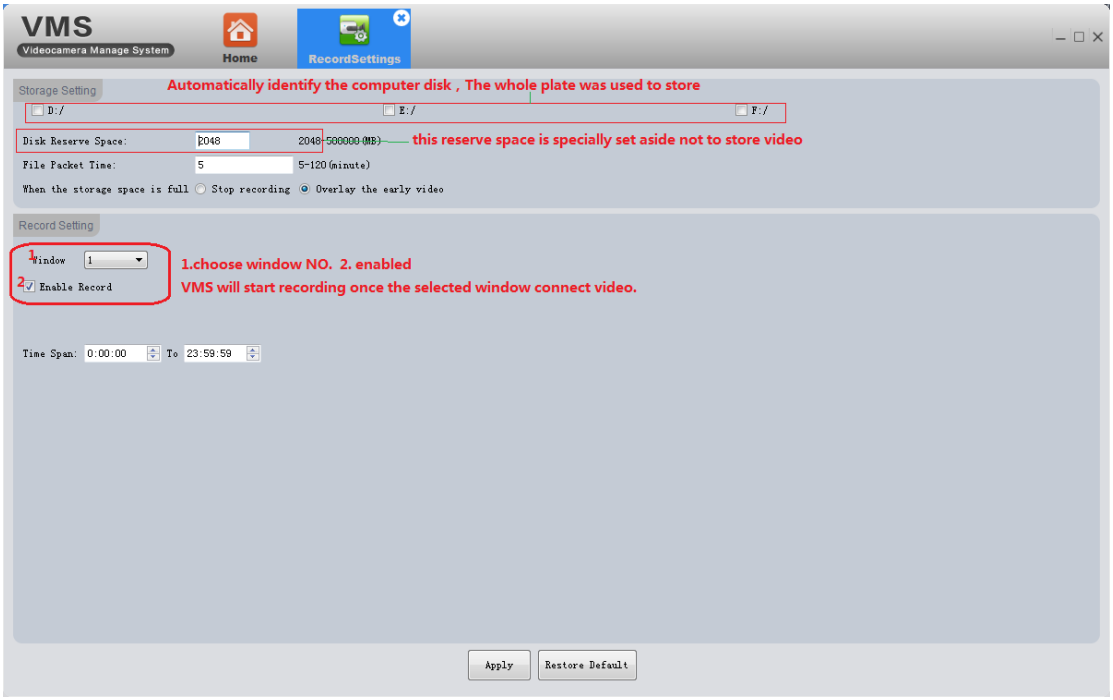
Step 4: Choose video type 


Step 5: Choose date and time

Step 6: Click Search

Step 7: All video files that conform with search criteria are displayed at bottom left. Double click any file, start to play.

# 3.6 Record Settings




## 3.6.1 Storage settings

- Automatically identify the PC disk. The whole disk is used for storing.
- The disk reverse space is specially set aside not to store video

## 3.6.3 Record settings

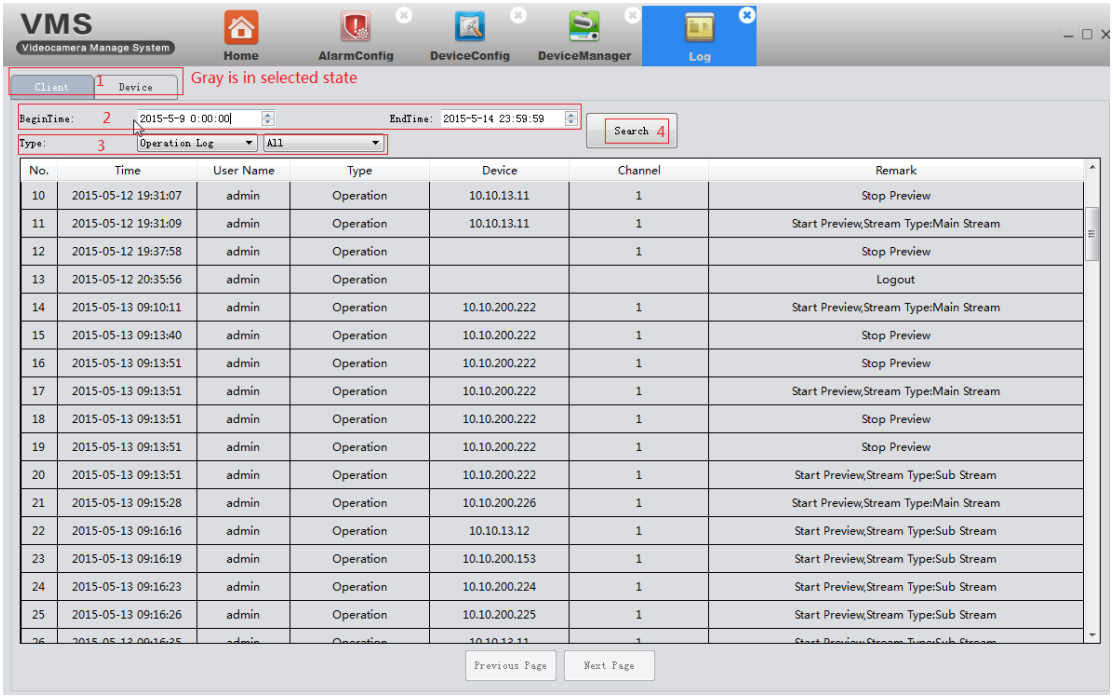
1. Select window
2. Tick enable
3. Click Apply to save

VMS will start recording once the selected window connect video.

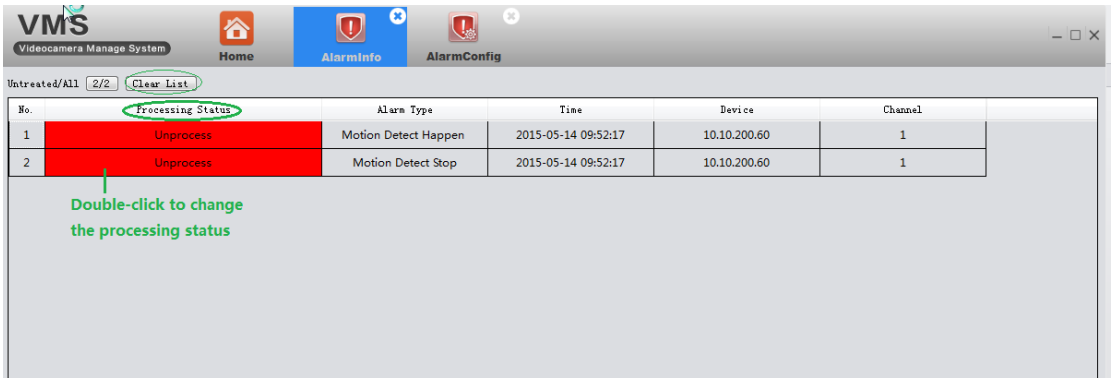
- Restore default---reset all record settings of VMS.

# 3.7 Log

On this page, you can search the operation Log of the client and device.


VMS
Videocamera Manage System
Home
AlarmConfig
DeviceConfig
DeviceManager
Log
Client
1 Device
Gray is in selected state
BeginTime: 2 2015-5-9 0:00:00
EndTime: 2015-5-14 23:59:59
Search 4
Type: 3 Operation Log All
No. Time User Name Type Device Channel Remark
10 2015-05-12 19:31:07 admin Operation 10.10.13.11 1 Stop Preview
11 2015-05-12 19:31:09 admin Operation 10.10.13.11 1 Start Preview,Stream Type:Main Stream
12 2015-05-12 19:37:58 admin Operation 1 Stop Preview
13 2015-05-12 20:35:56 admin Operation Logout
14 2015-05-13 09:10:11 admin Operation 10.10.200.222 1 Start Preview,Stream Type:Main Stream
15 2015-05-13 09:13:40 admin Operation 10.10.200.222 1 Stop Preview
16 2015-05-13 09:13:51 admin Operation 10.10.200.222 1 Stop Preview
17 2015-05-13 09:13:51 admin Operation 10.10.200.222 1 Start Preview,Stream Type:Main Stream
18 2015-05-13 09:13:51 admin Operation 10.10.200.222 1 Stop Preview
19 2015-05-13 09:13:51 admin Operation 10.10.200.222 1 Stop Preview
20 2015-05-13 09:13:51 admin Operation 10.10.200.222 1 Start Preview,Stream Type:Sub Stream
21 2015-05-13 09:15:28 admin Operation 10.10.200.226 1 Start Preview,Stream Type:Main Stream
22 2015-05-13 09:16:16 admin Operation 10.10.13.12 1 Start Preview,Stream Type:Sub Stream
23 2015-05-13 09:16:19 admin Operation 10.10.200.153 1 Start Preview,Stream Type:Sub Stream
24 2015-05-13 09:16:23 admin Operation 10.10.200.224 1 Start Preview,Stream Type:Sub Stream
25 2015-05-13 09:16:26 admin Operation 10.10.200.225 1 Start Preview,Stream Type:Sub Stream
Previous Page
Next Page

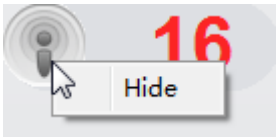
# 3.8 Alarm info



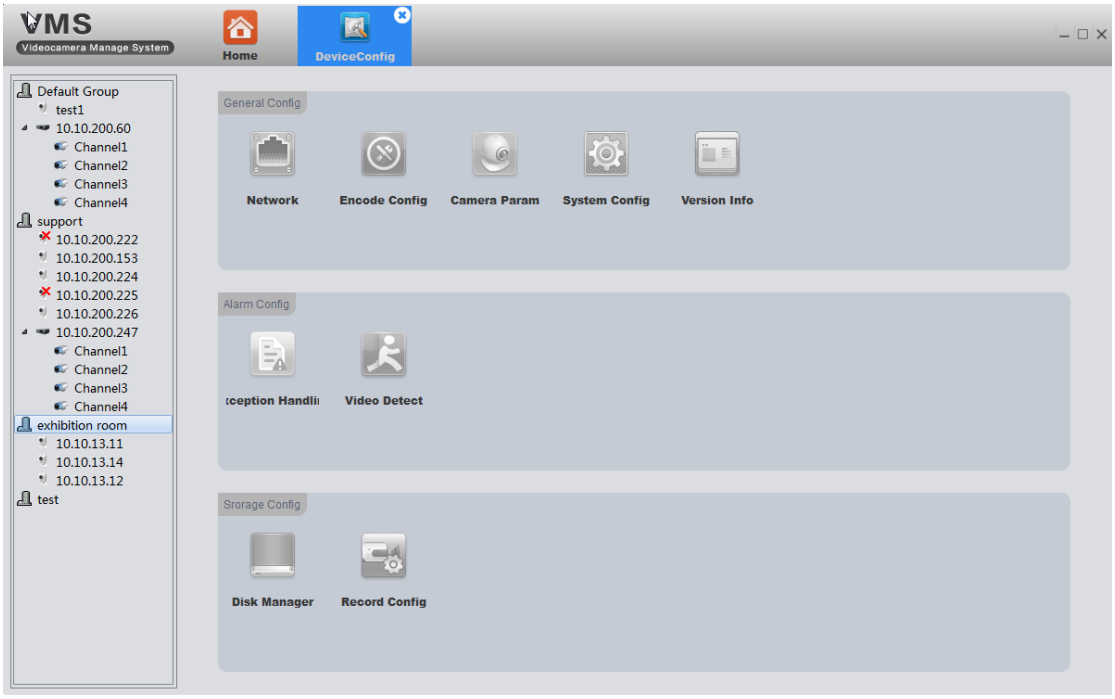

It shows all alarm info detected by VMS .

Red marks mean unprocessed. Double-click to change the processing status.

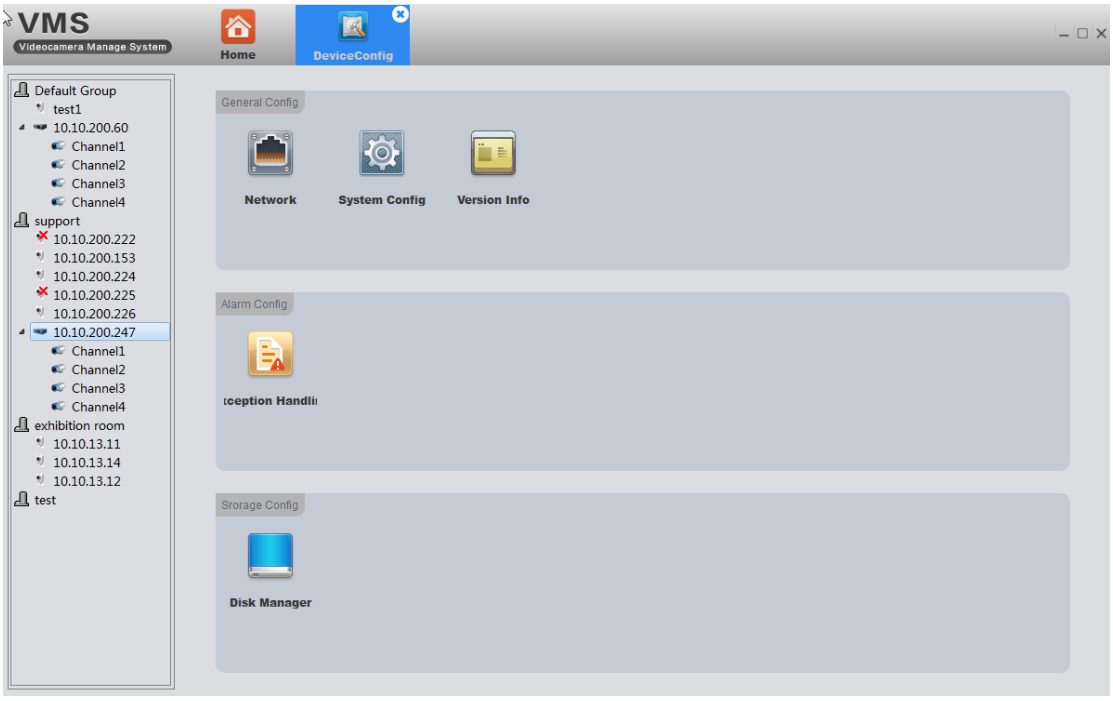
- When VMS is running, you will find an alarm message floating window at the top right corner. You can click to read the alarm message or right click to hide it.
- If you manna VMS show alarm prompt, you must enable the alarm features both on device( see 3.9.7 )and VMS(see 3.10)



## 3.9 Device Config



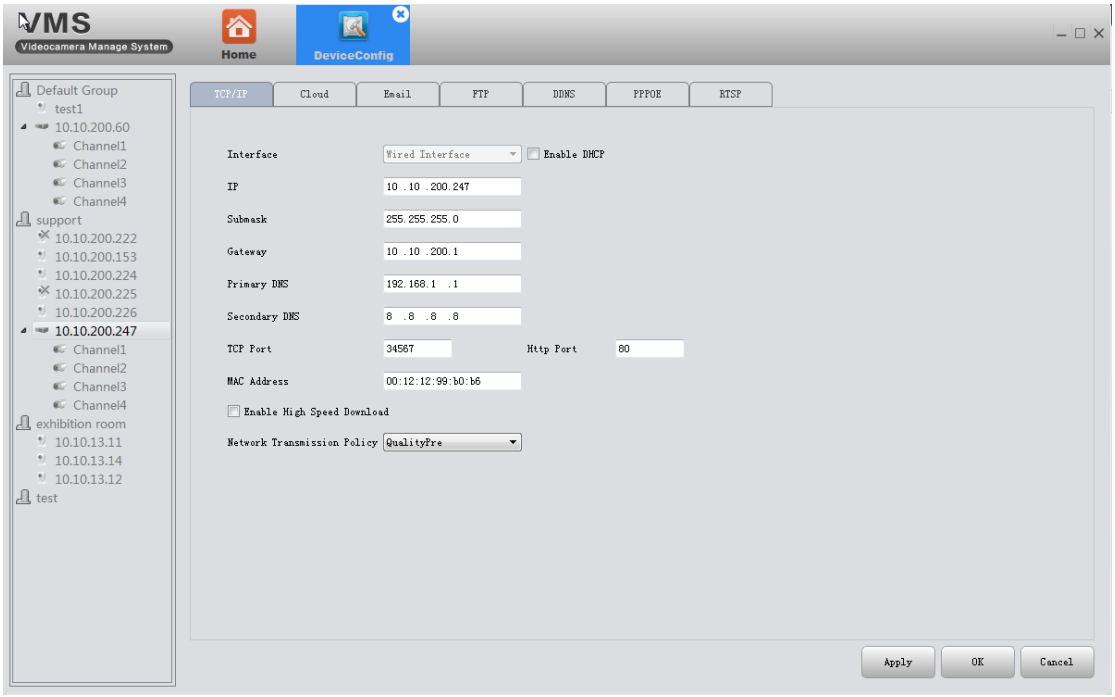

- All icon is gray before you choose a device. It will show the corresponding function-option according to the device type you choose.
- Full function-option for IPC( as shown in above pic).
- For NVR, there is no Encode and Camera Parameters as the following pic shows.




Click on the corresponding function to set and operate .

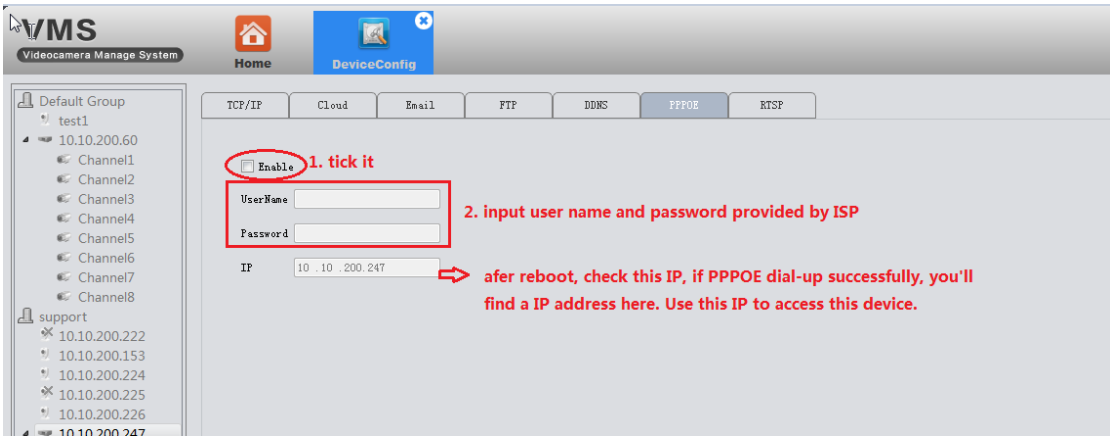
### 3.9.1 Network

#### 3.9.1.1 Set device's IP




#### 3.9.1.2 PPPOE

1) Why: Device can build a connection with internet based on PPPOE.
2) How:
   ① the cable connected to device's Ethernet port must support PPPOE;
   ② plug-in cable, then input user name and password provided by ISP.




③ Reboot the device.

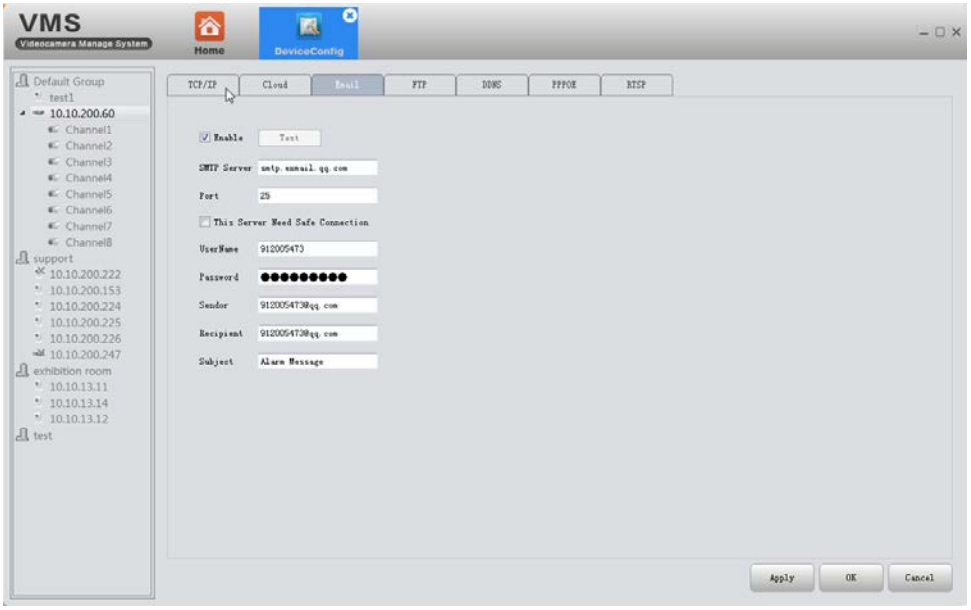
#### 3.9.1.3 Email

1) Why: with necessary parameter settings, the device will send alarm information and snapshot picture to appointed mailbox.

2) How:

① Before you use email, make sure your device is connecting with internet(that's because the device need to connect to the mailbox server)

② Email configuration, as the following pic shows:




③ Click test, if it show success, please go to mailbox to check whether you get the test mail.

### 3.9.1.4 FTP

1) Why：FTP is available only when alarm happens,it can upload relatedrecord files and snapshot pictures to FTP server.
2) How:

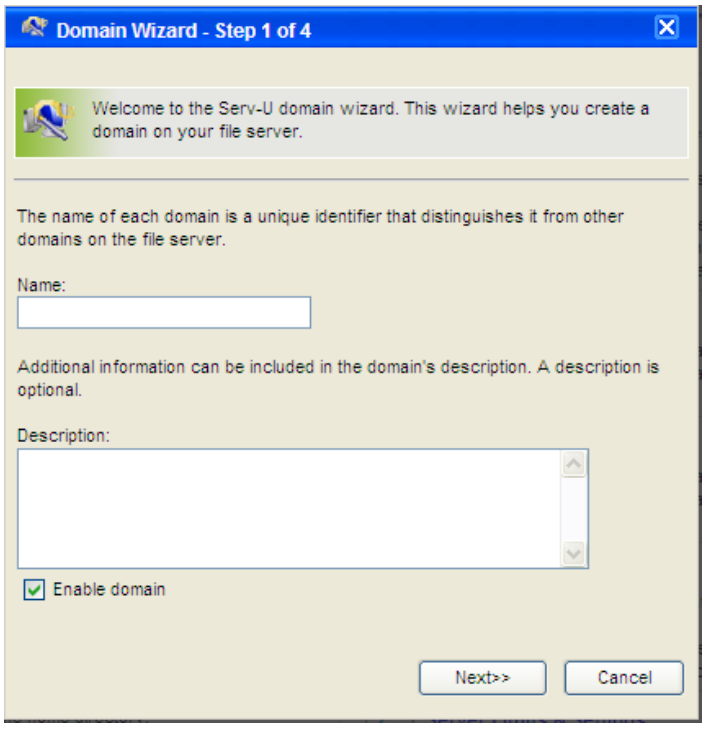
➢ You need to build a FTP server first if you don't have a ready-made FTP server . Here is a way to build a FTP server by Serv-U software.

a. Install the Serv-U software

b. After installing the software,it will appears the step wizard which help you to define the domains and users,see as follow pic:

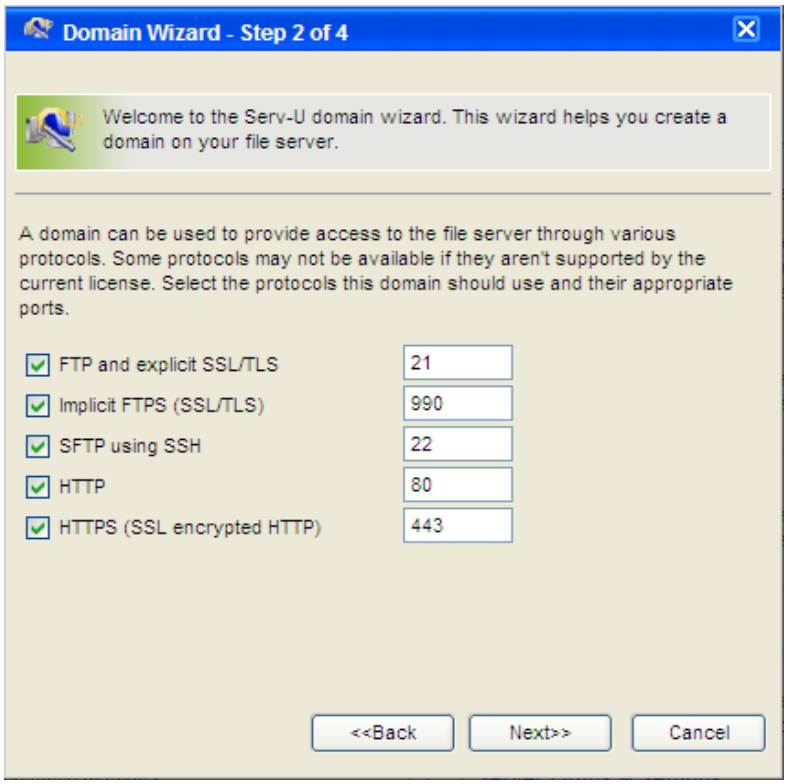
pic 1

Click"Yes",enter the next setting interface,see as pic 2


Domain Wizard - Step 1 of 4
Welcome to the Serv-U domain wizard. This wizard helps you create a domain on your file server.
The name of each domain is a unique identifier that distinguishes it from other domains on the file server.
Name:
Additional information can be included in the domain's description. A description is optional.
Description:
Enable domain
Next>>
Cancel

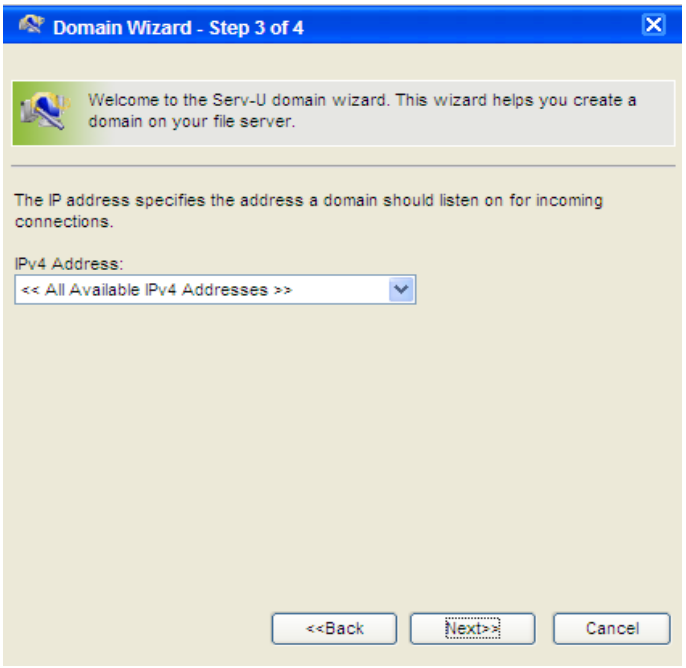
Pic 2

Input name and description,click"Next"


Domain Wizard - Step 2 of 4
Welcome to the Serv-U domain wizard. This wizard helps you create a domain on your file server.
A domain can be used to provide access to the file server through various protocols. Some protocols may not be available if they aren't supported by the current license. Select the protocols this domain should use and their appropriate ports.
FTP and explicit SSL/TLS
21
Implicit FTPS (SSL/TLS)
990
SFTP using SSH
22
HTTP
80
HTTPS (SSL encrypted HTTP)
443
<<Back
Next>>
Cancel

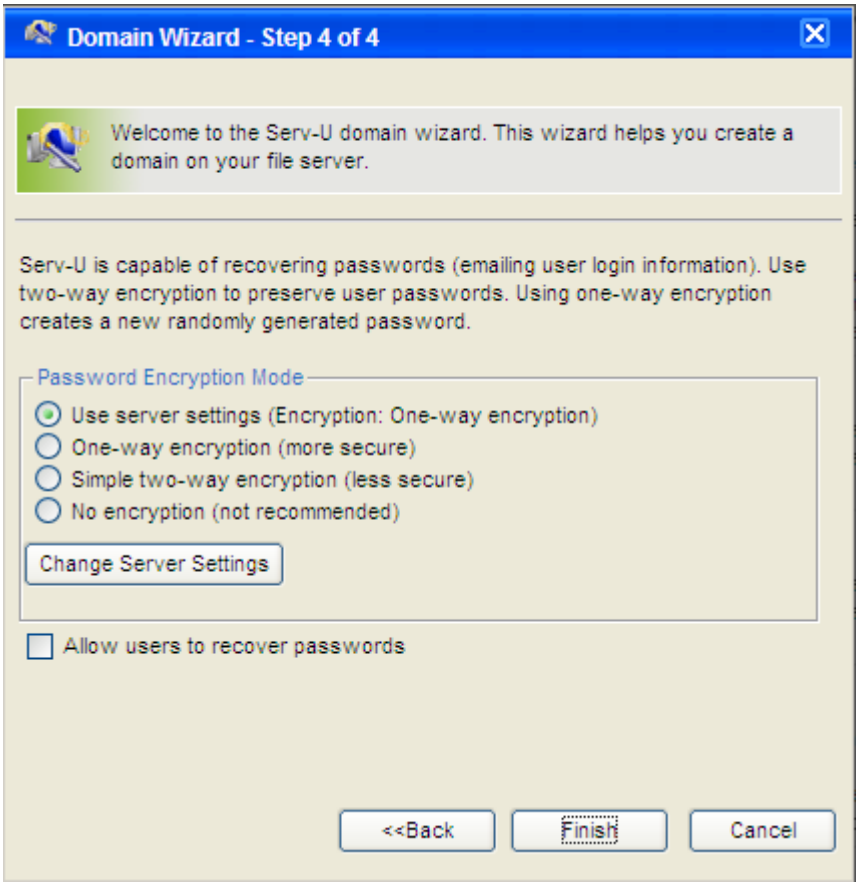
Pic 3

Click "Next",and see as pic 4. Choose your PC's IP as the built domain's IP from the drop-down box.


Domain Wizard - Step 3 of 4
Welcome to the Serv-U domain wizard. This wizard helps you create a domain on your file server.
The IP address specifies the address a domain should listen on for incoming connections.
IPv4 Address:
<< All Available IPv4 Addresses >>
<<Back
Next>>
Cancel

Pic 4

Click"Next"

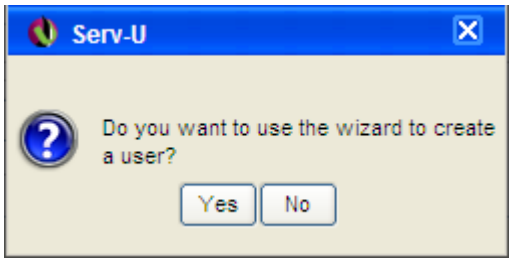

Domain Wizard - Step 4 of 4
Welcome to the Serv-U domain wizard. This wizard helps you create a domain on your file server.
Serv-U is capable of recovering passwords (emailing user login information). Use two-way encryption to preserve user passwords. Using one-way encryption creates a new randomly generated password.
Password Encryption Mode
Use server settings (Encryption: One-way encryption)
One-way encryption (more secure)
Simple two-way encryption (less secure)
No encryption (not recommended)
Change Server Settings
Allow users to recover passwords
<<Back
Finish
Cancel

Pic 5

Click"Finish",the domain already had been defined,next step wizard will help you define users

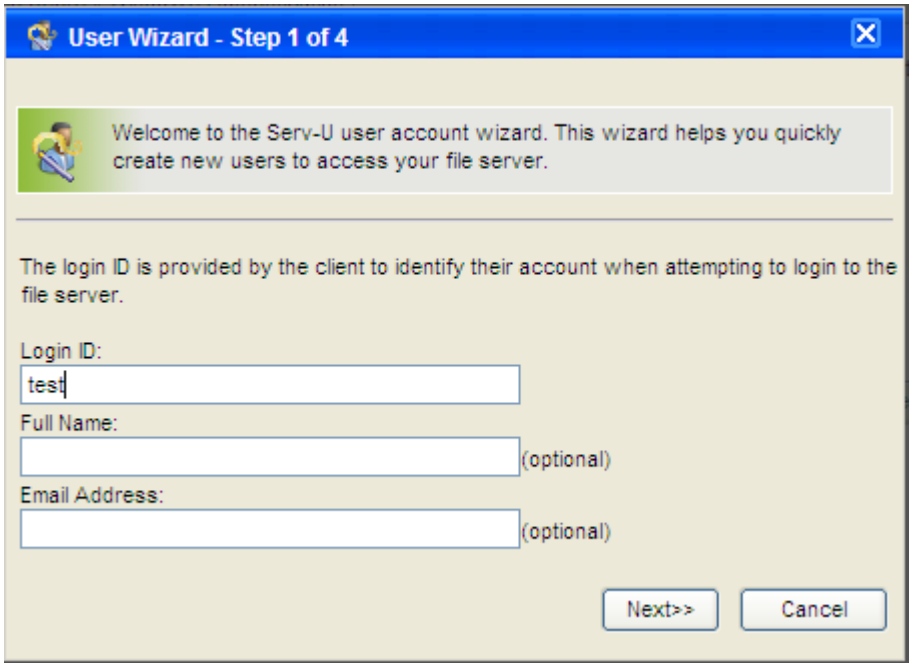
Pic 6

Click"Yse",it will appears a tip,see as pic 7



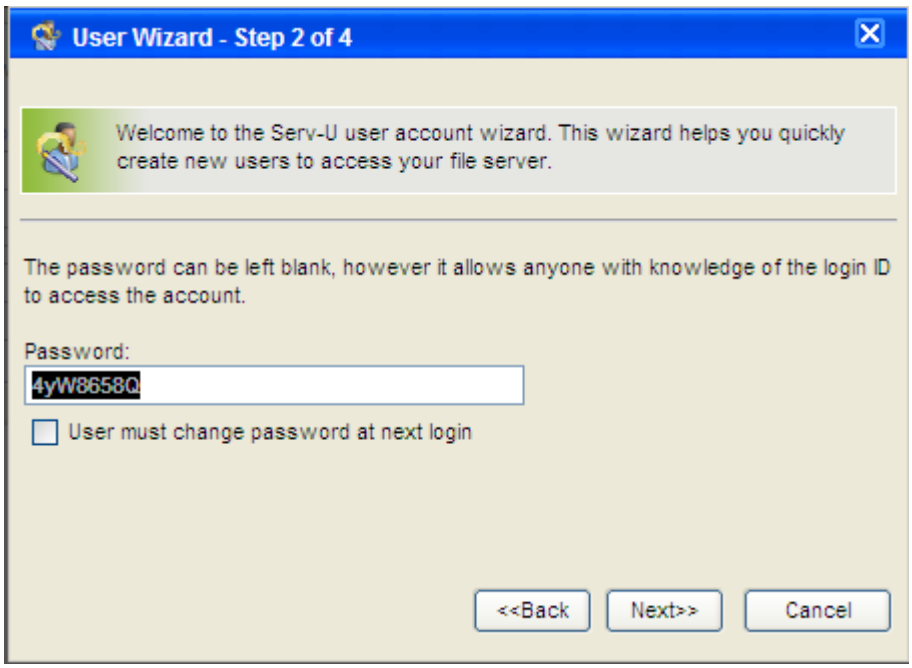

Pic 7

Click"Yse",enter the user wizard step 1


User Wizard - Step 1 of 4
Welcome to the Serv-U user account wizard. This wizard helps you quickly create new users to access your file server.
The login ID is provided by the client to identify their account when attempting to login to the file server.
Login ID:
test
Full Name:
(optional)
Email Address:
(optional)
Next>>
Cancel

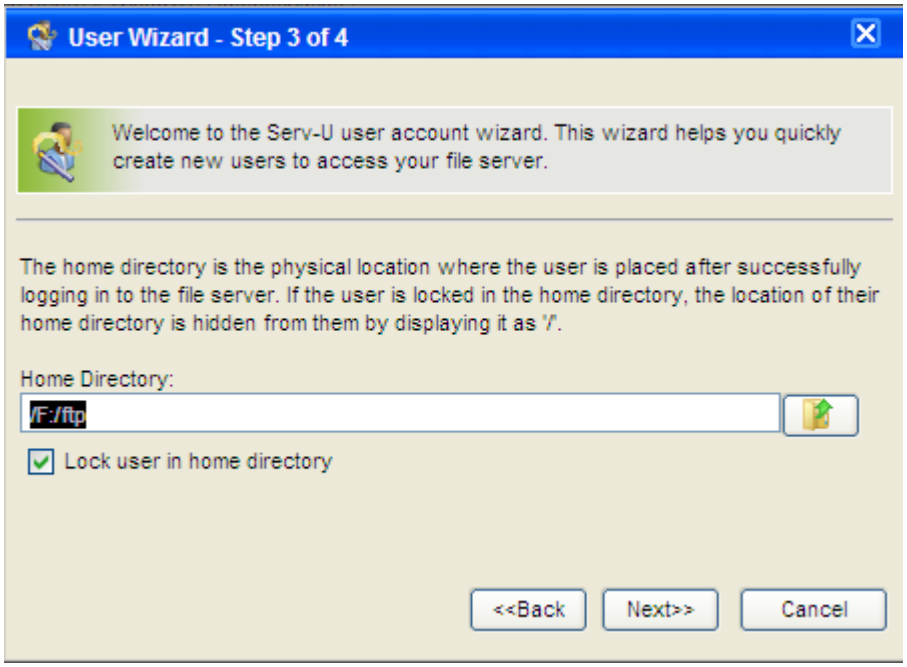
Pic 8

Input Log-in ID,Full name,Email Address messages,and click"Next"


User Wizard - Step 2 of 4
Welcome to the Serv-U user account wizard. This wizard helps you quickly create new users to access your file server.
The password can be left blank, however it allows anyone with knowledge of the login ID to access the account.
Password:
4yW8658Q
User must change password at next login
<<Back
Next>>
Cancel

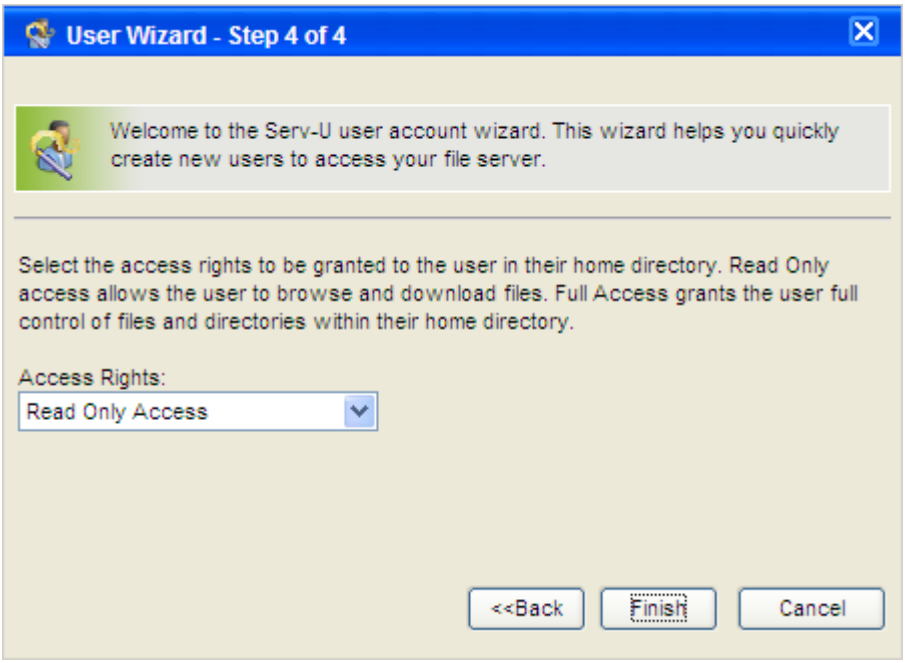
Pic 9

Click"Next"


User Wizard - Step 3 of 4
Welcome to the Serv-U user account wizard. This wizard helps you quickly create new users to access your file server.
The home directory is the physical location where the user is placed after successfully logging in to the file server. If the user is locked in the home directory, the location of their home directory is hidden from them by displaying it as '/'.
Home Directory:
/F:/ftp
Lock user in home directory
<<Back
Next>>
Cancel

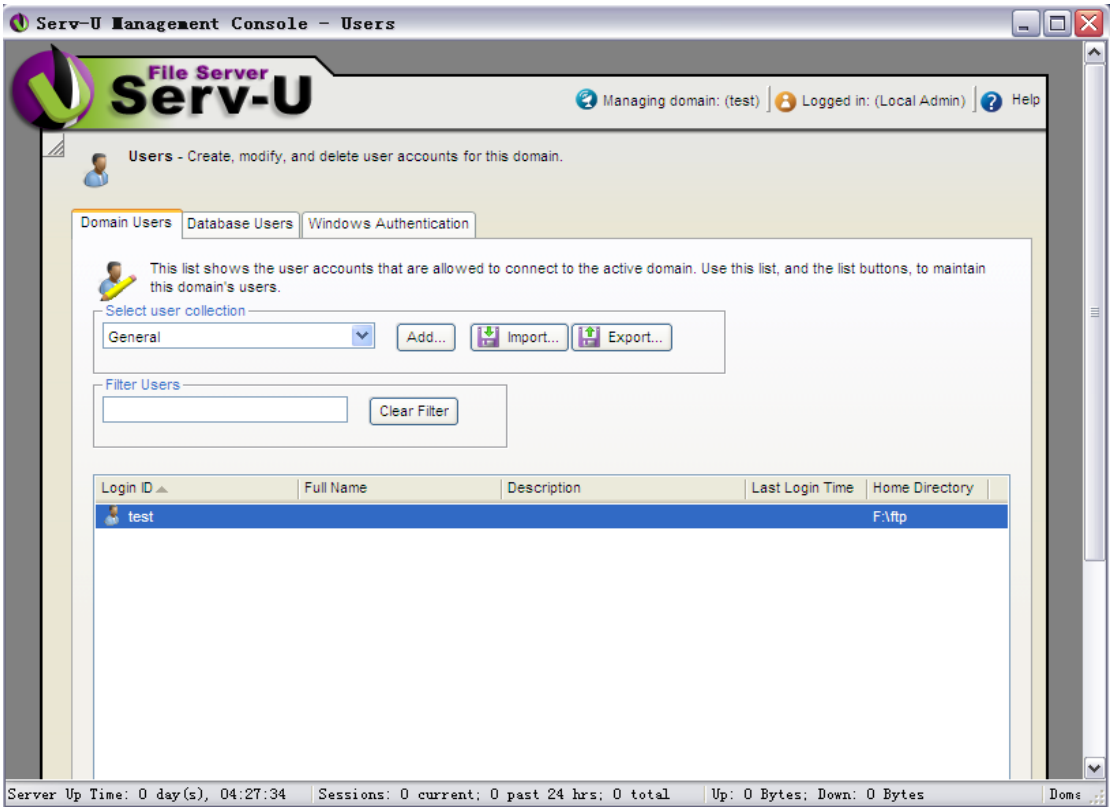
Pic 10

Setting the home directory,and click"Next"


User Wizard - Step 4 of 4
Welcome to the Serv-U user account wizard. This wizard helps you quickly create new users to access your file server.
Select the access rights to be granted to the user in their home directory. Read Only access allows the user to browse and download files. Full Access grants the user full control of files and directories within their home directory.
Access Rights:
Read Only Access
<<Back
Finish
Cancel

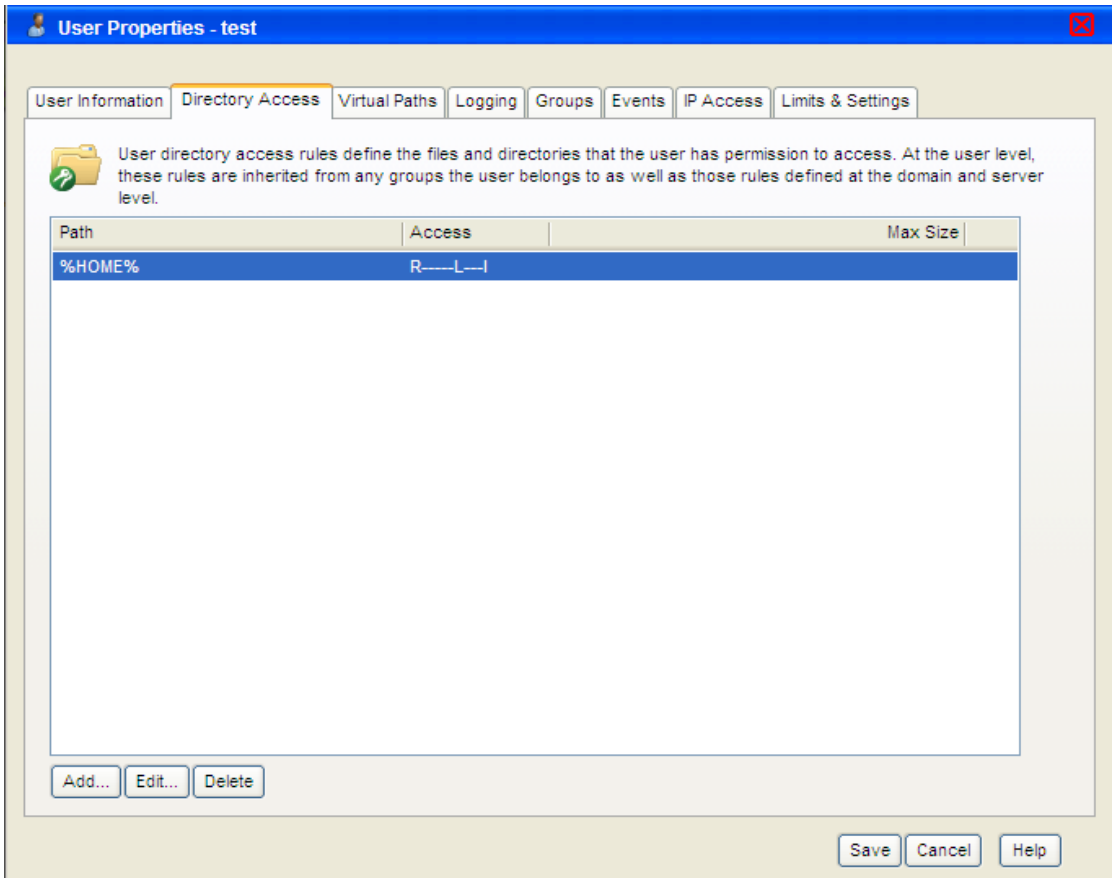
Pic 11

Click"Finish".you had defined users.next will the follow interface



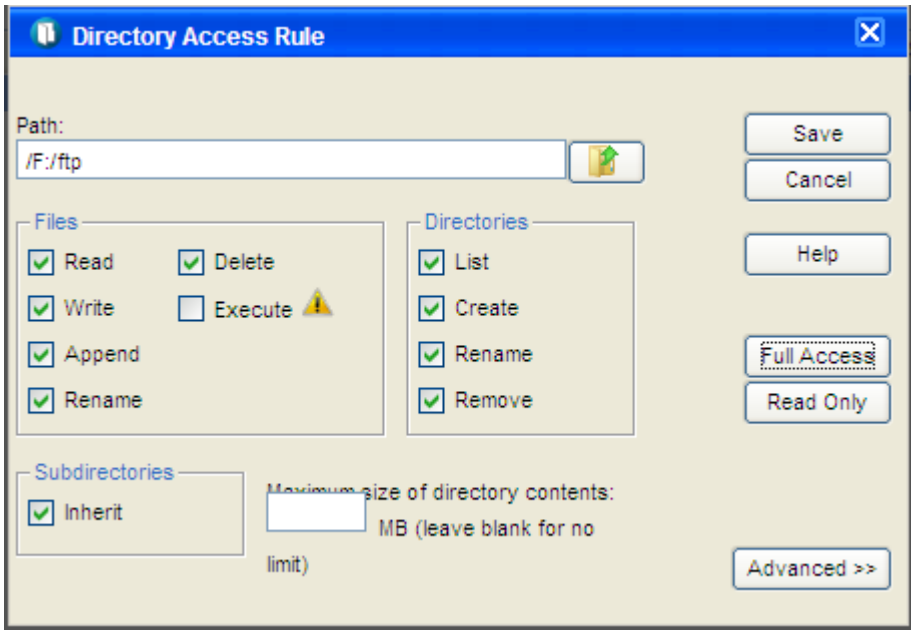

Pic 12

Click log-in ID test,setting directory,see as follow pic 13




Pic 13

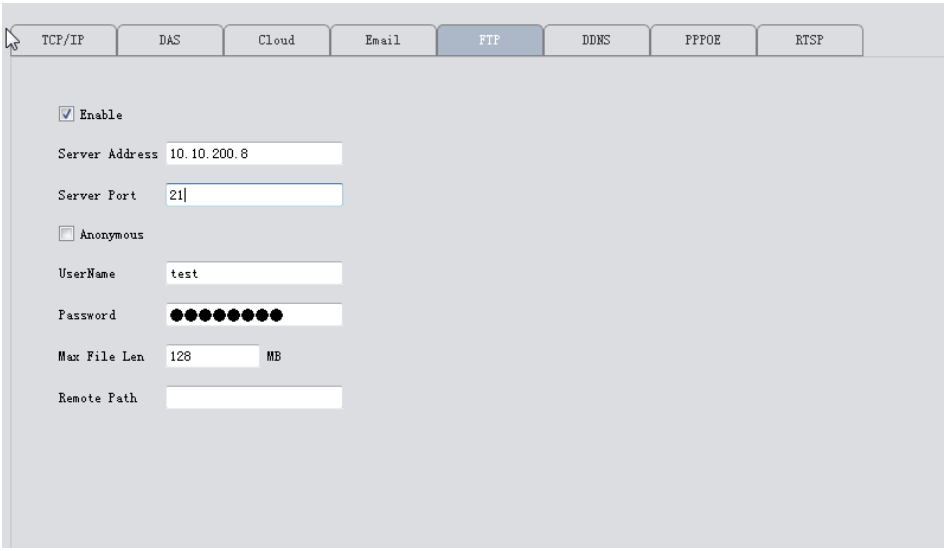
Find"directory access",click the path and setting it.see as follow pic14




Pic 14

Click"save".After finishing all above setting steps,we already had setted the FTP server.

- FTP settings of device



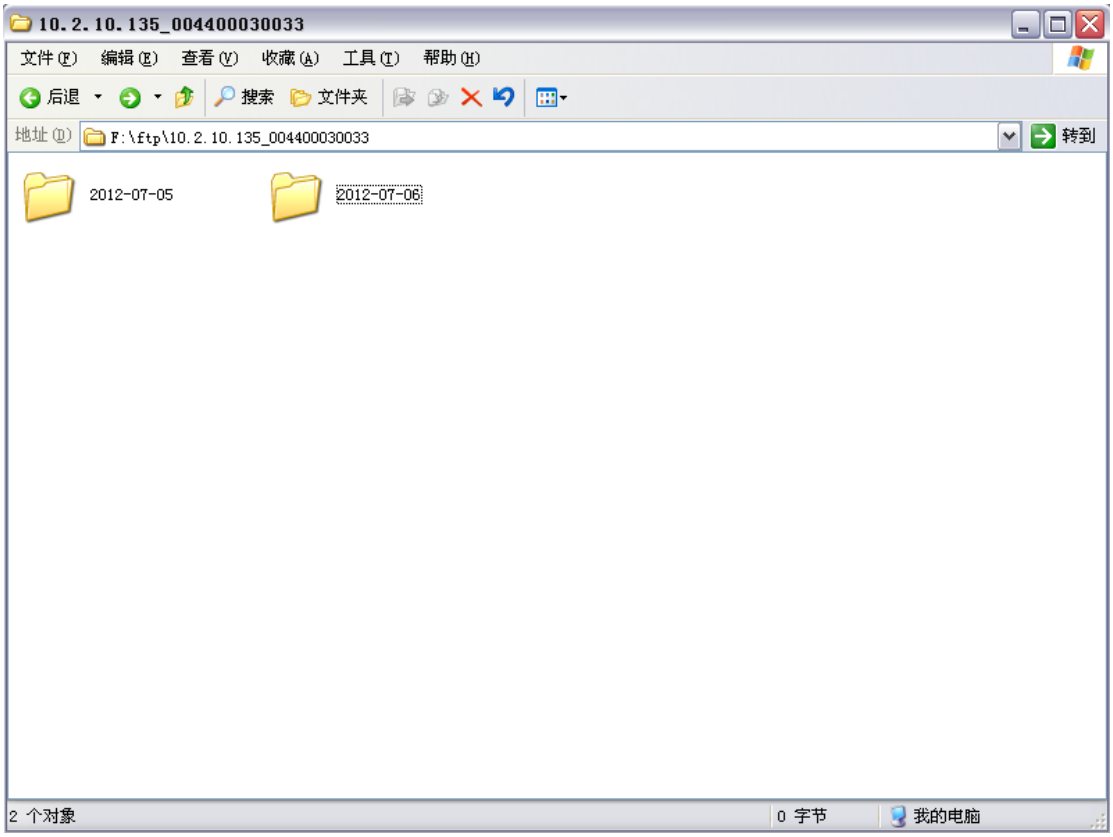

Pic 15

The server Address is the IP of the PC where you built the FTP server.

The user name and password are the same as ftp service settled.

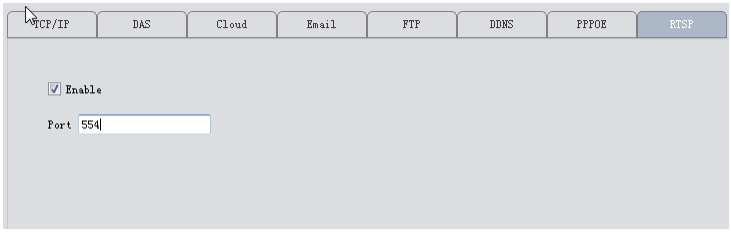
- ❖ one more thing:make sure the network between your device and FTP server is connected.

- ➢ when the alarm triggered,the file will uploaded to ftp.



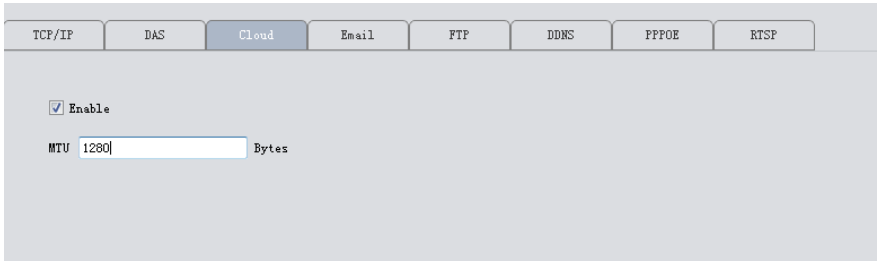
### 3.9.1.5 RTSP

1) Why: This service is needed when you use Non IE kernel browser( such as Safari, Google Chrome, Foxfire, Opera etc. ) to access device.
2) How：this service is default enabled, as follows,




### 3.9.1.6 Cloud

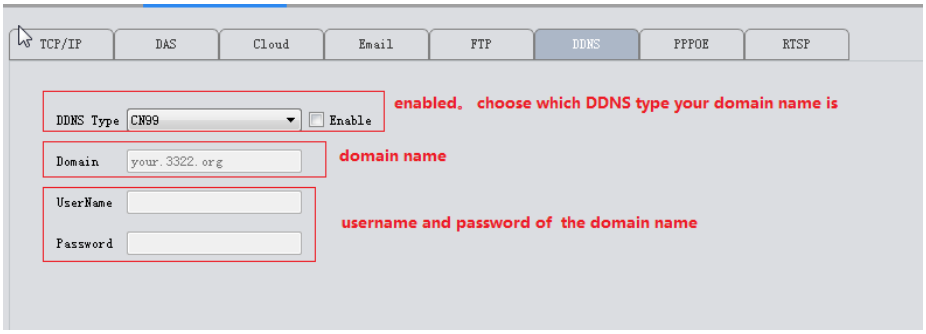
The cloud service is also default enabled. As long as your device's network is connecting the Internet ,you can easily use the Cloud ID to remotely access your device without complicated settings like port forwarding.




### 3.9.1.7 DDNS

DDNS: Dynamic Domain Name Server.

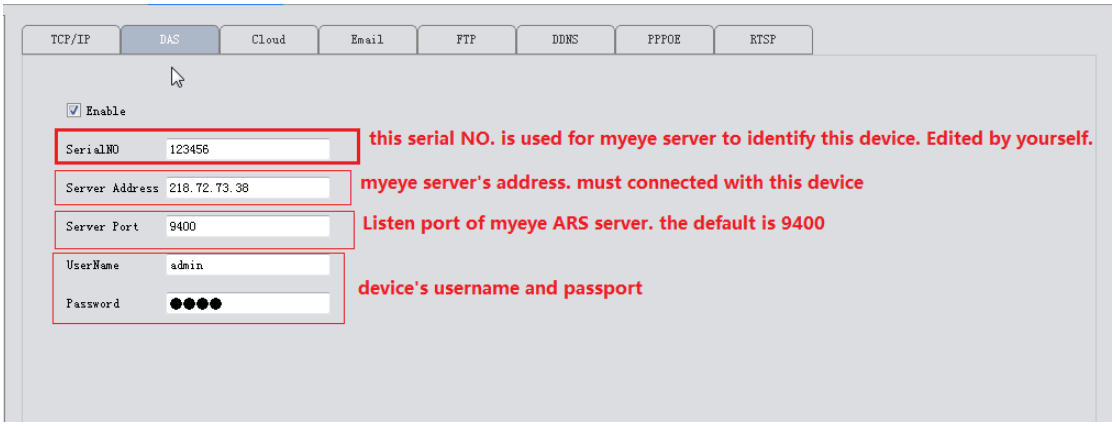
a. First you need an available domain name . Our device default support five DDNS type :CN99/DynDns/Oray/NO-IP/MYQ-SEE.
b. On this page, binding the domain name with your device. Forwarding HTTP and TCP ports of this device in your router. Then you can use the domain name and HTTP port to web access device, or use domain name and TCP port to access device via PC/mobile client.



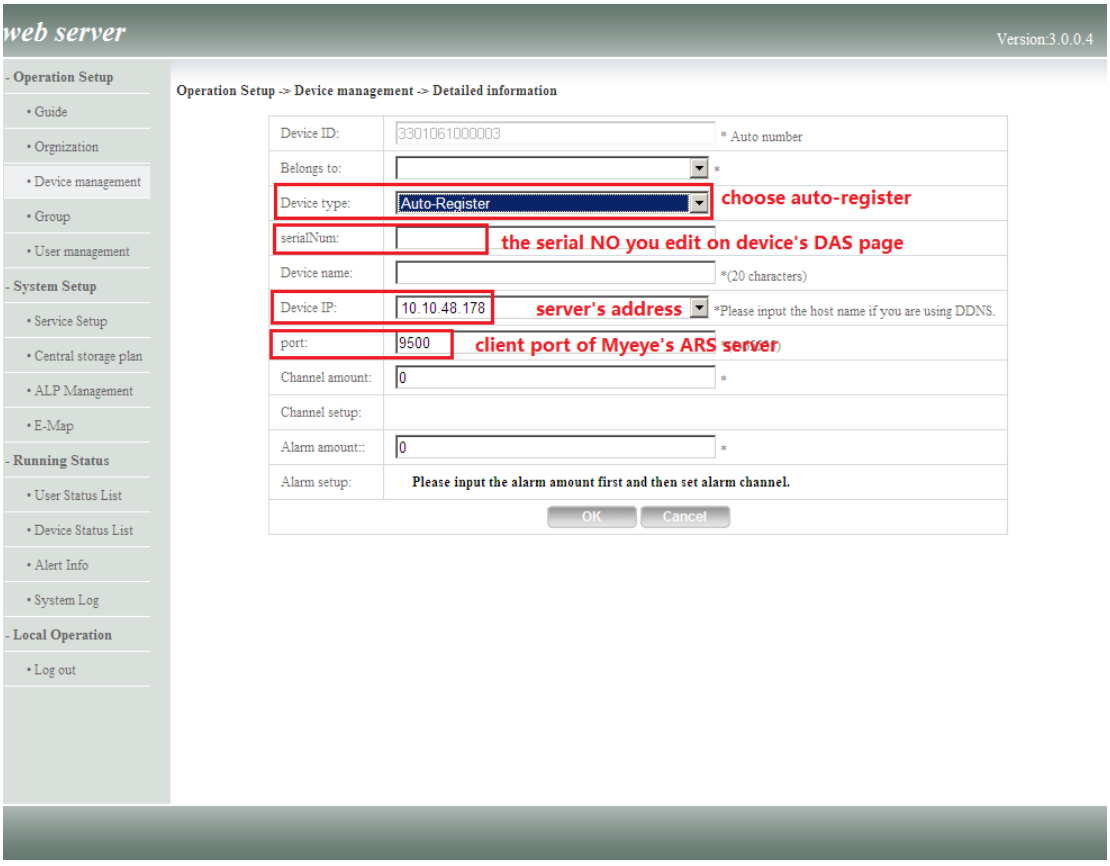

### 3.9.1.8 DAS

DAS: it will auto put your device registered to Myeye server(our platform software

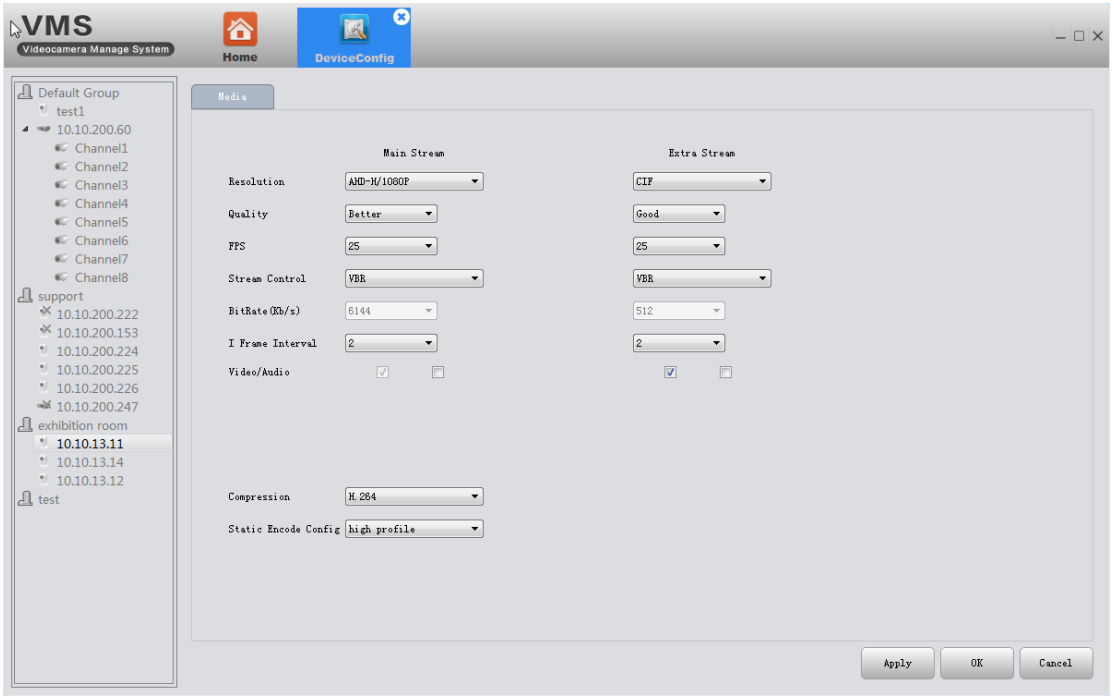
which is used for central management of a large quantity of devices. See details in Myeye manual)




Config in myeye server

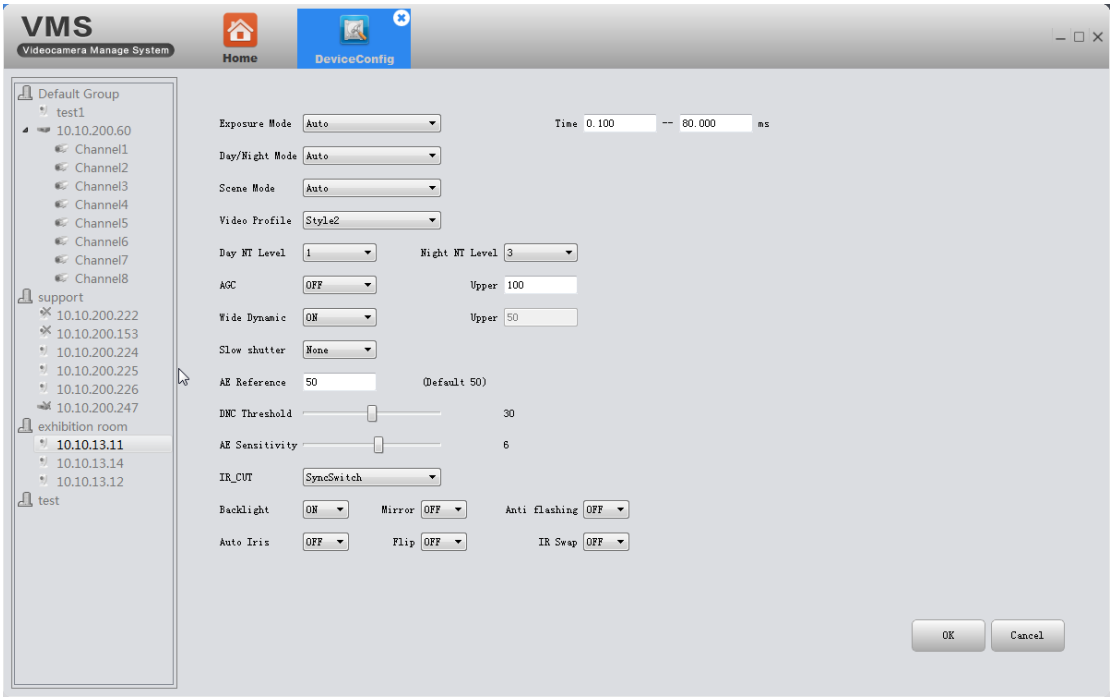


### 3.9.2 Encode




Set video/audio encode parameters of DVR /IPC. All our devices support dual stream: main stream and extra stream. You can choose adaptive resolution, FPS, quality and so on according to your needs.

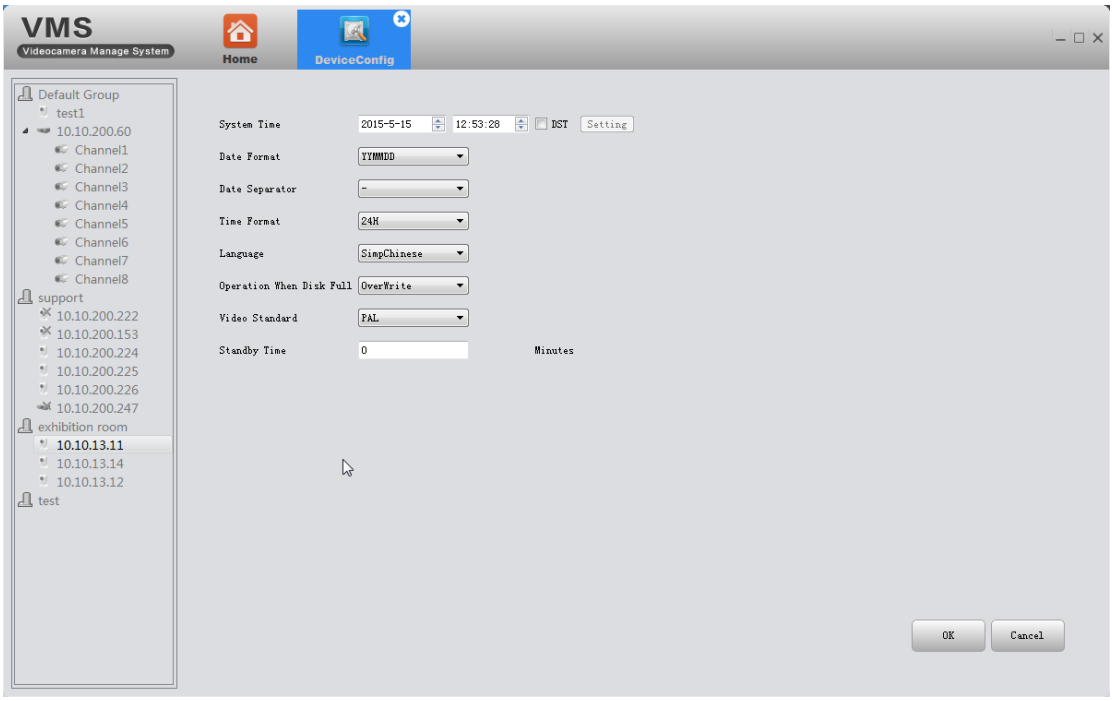
### 3.9.3 Camera parameters




Here to modify IPC parameters, including Exposure mode, Day/Night mode, Day NT level, wide dynamic, AE reference, AGC, backlight comprehension ,slow

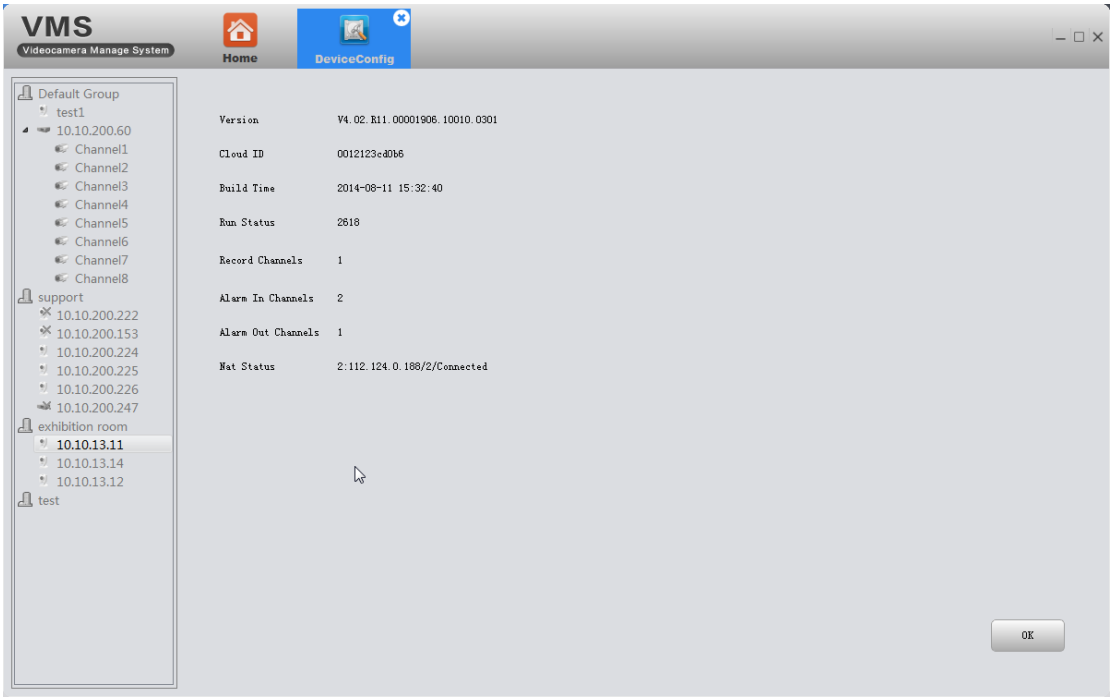
shutter, IR_CUT swap, Flip, mirror, anti-flicker , Auto iris,etc

### 3.9.4 System



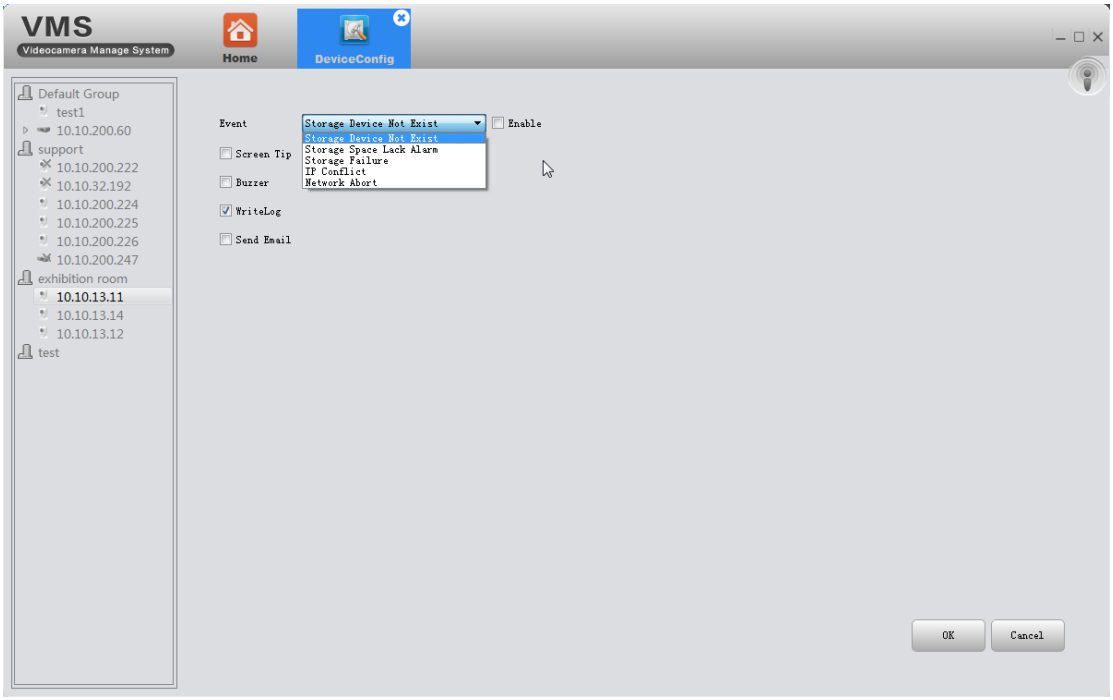

Here to modify device's time ,language, operation when disk is full.

### 3.9.5 Version info



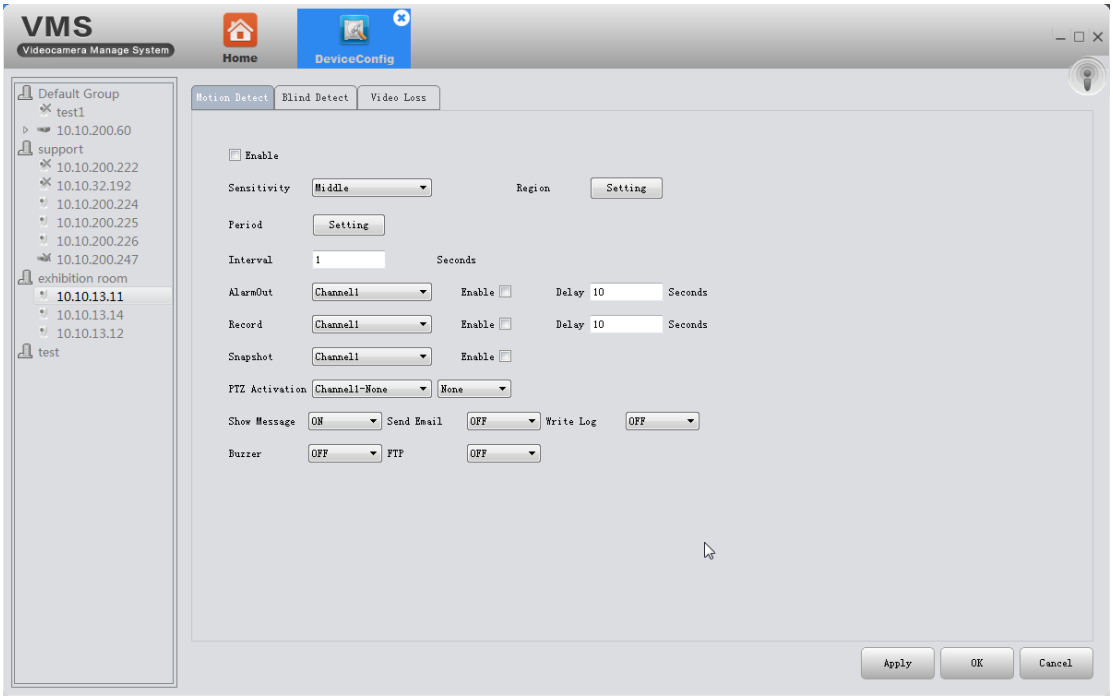

Display the basic information such as hardware information, firmware version, built date , serial No. and so on.

### 3.9.6 Exception handling



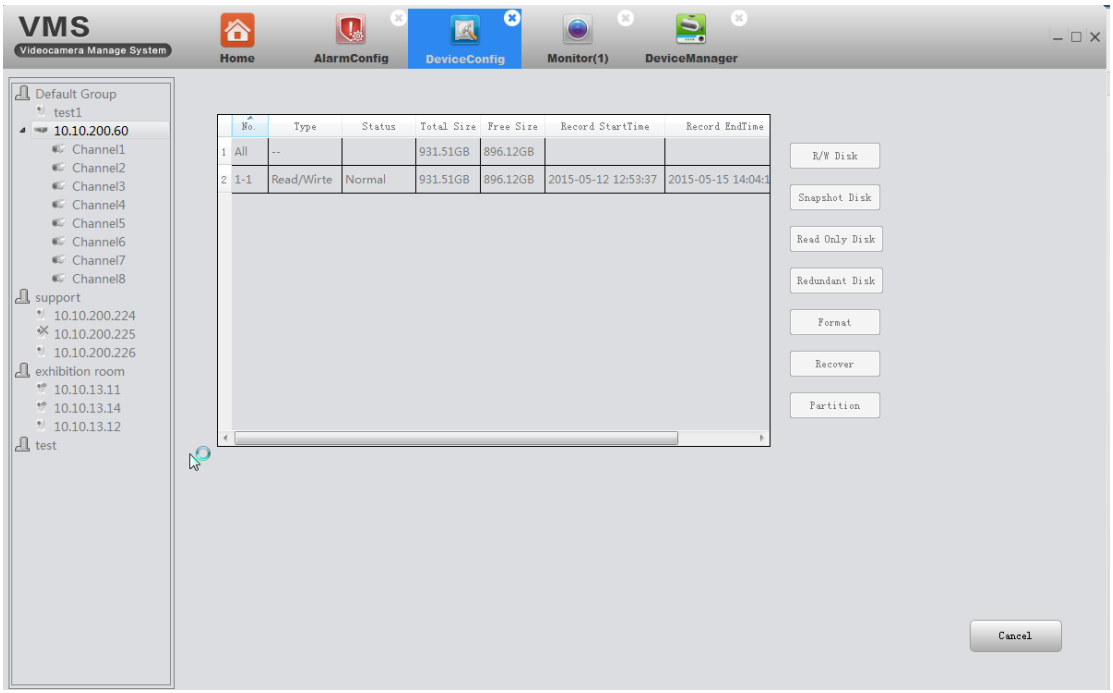

Choose event type from the drop-down box, and tick alarm type you want. The alarm info will be recorded in device's Log if you tick Write log. And if you want it to send alarm message to your mailbox, make sure the email is successfully set(see 3.9.1.3)

### 3.9.7 video detect

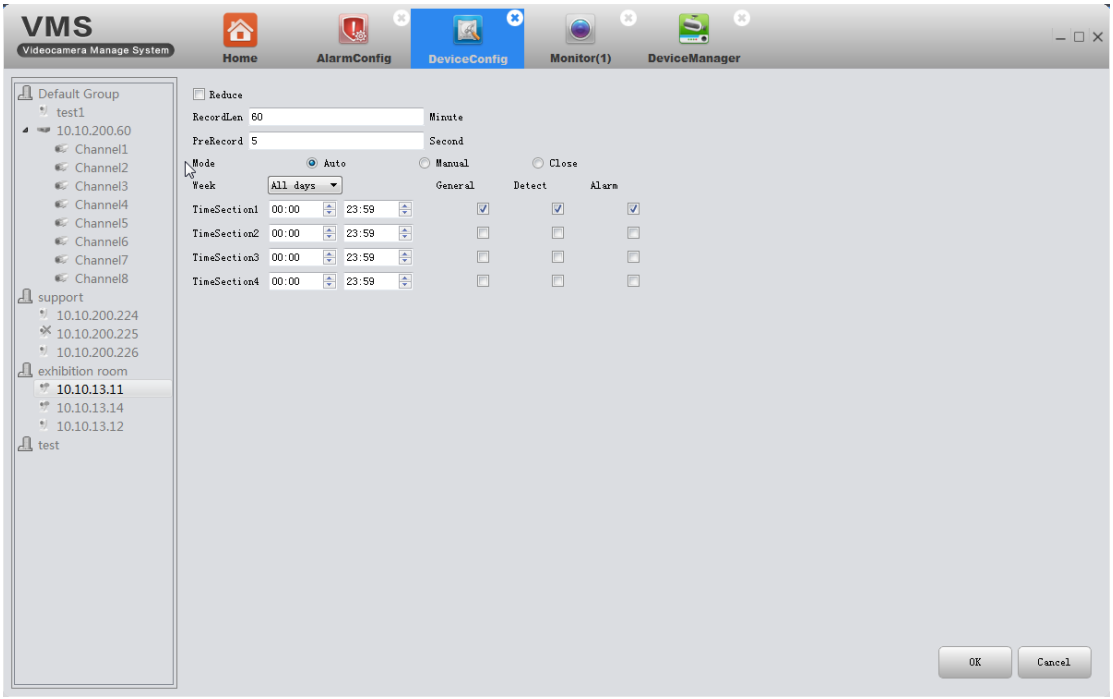



Including motion detection, blind detect, video loss.

### 3.9.8 Disk manager

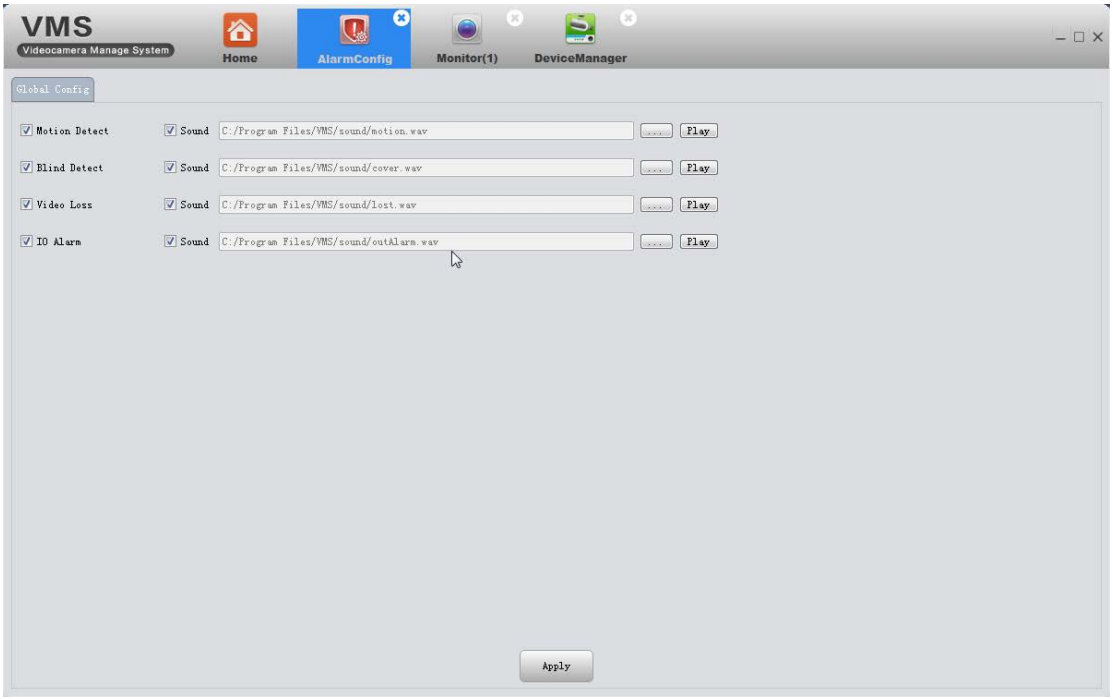



### 3.9.9 Record config



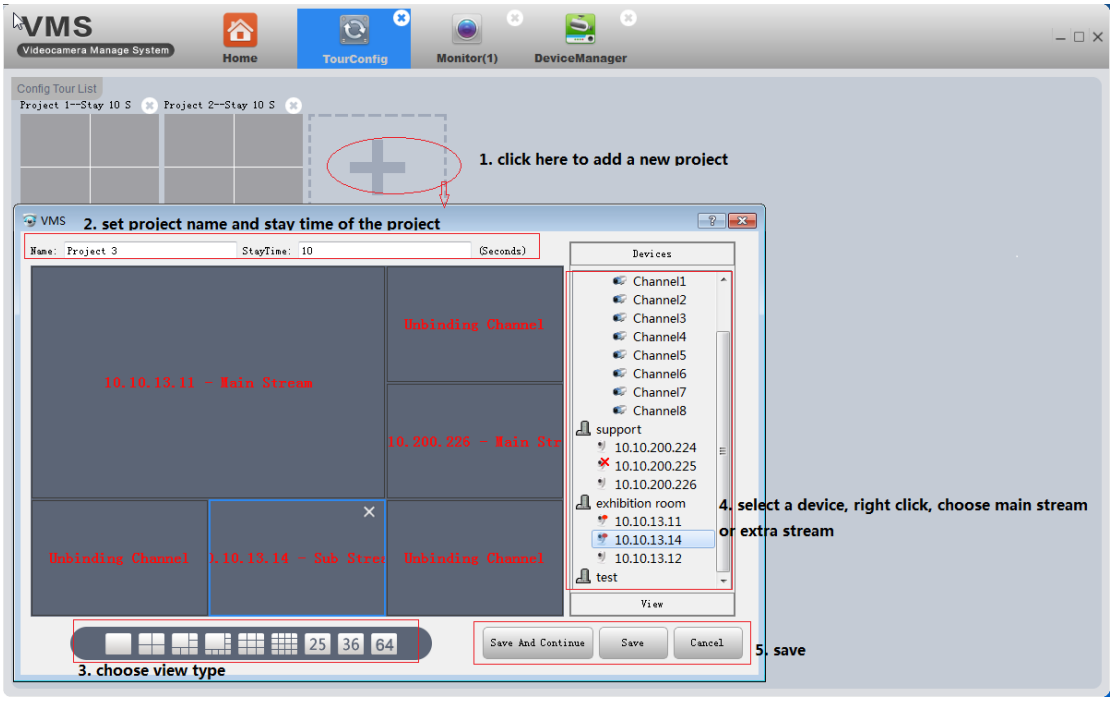

## 3.10 Alarm config

Alarm Config of VMS. You can set different prompt sound when alarm triggered.



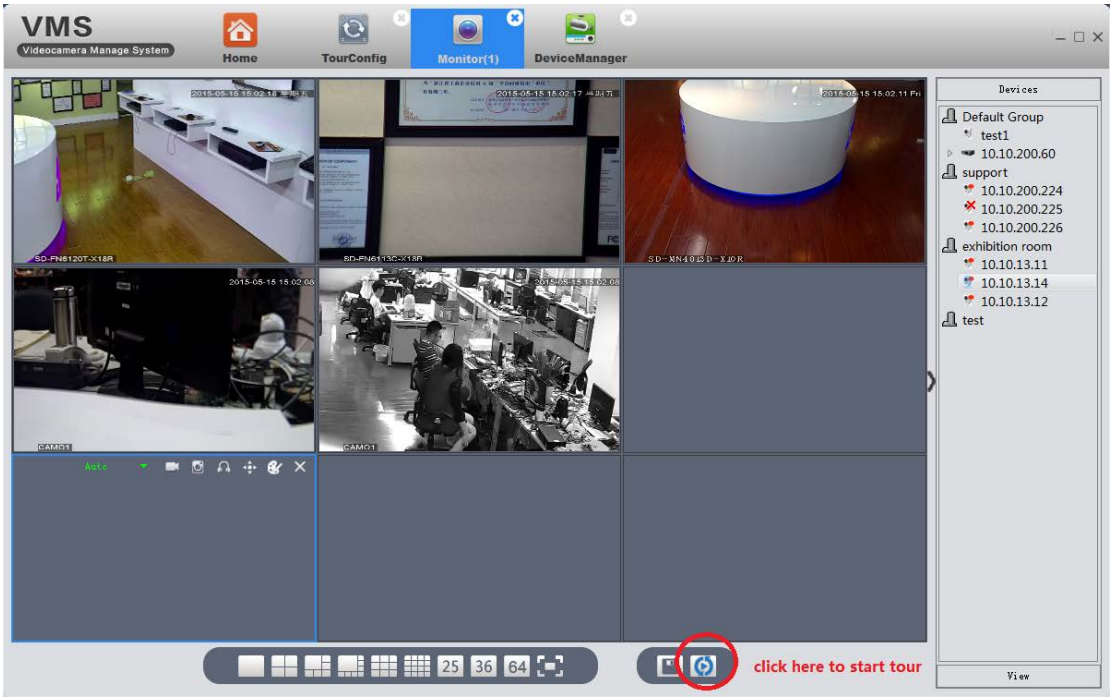

## 3.11 Tour

1) Add projects

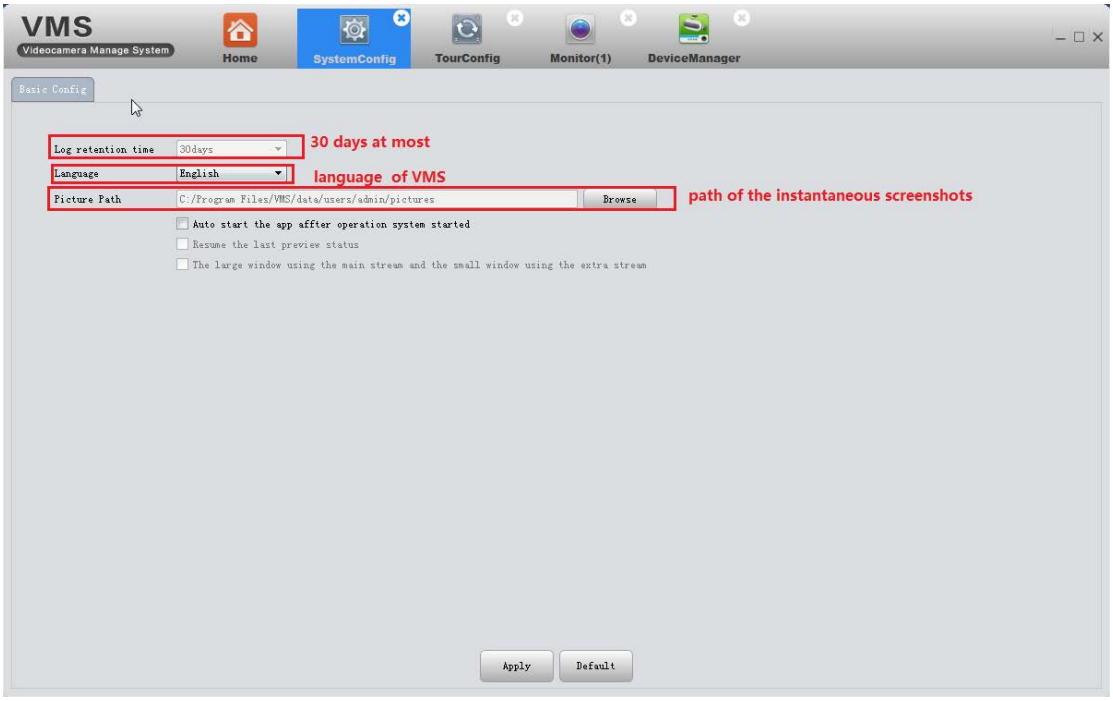



Add projects as the above pic shows.

2) On monitoring page, click tour icon to start.




## 3.12 System Config




## 3.13 Extensions

Map and Mycloud can not use at present.